

Preliminary Program last updated on Monday, July 7, 2008 02:00:01 EDT

		Add To My Program
	Thu, 7/31/08, 7:00 PM - 9:00 PM	HY-Granite B-C
ASA Board of Directors Executive Committee Working Dinner (closed)		
ASA Board of Directors		
<i>Chair(s): Peter A. Lachenbruch, Oregon State University</i>		
		Add To My Program
	Fri, 8/1/08, 7:30 AM - 8:30 AM	HY-Granite A
ASA Board of Directors Breakfast (closed)		
ASA Board of Directors		
<i>Chair(s): Peter A. Lachenbruch, Oregon State University</i>		
		Add To My Program
	Fri, 8/1/08, 8:30 AM - 6:00 PM	HY-Quartz A-B
ASA Board of Directors Meeting (closed)		
ASA Board of Directors		
<i>Chair(s): Peter A. Lachenbruch, Oregon State University</i>		
		Add To My Program
	Fri, 8/1/08, 8:30 AM - 5:30 PM	HY-Mineral Hall F-G
Workshop for Chairs of Programs in Statistics and Biostatistics (closed)		
ASA Caucus of Academic Representatives		
<i>Chair(s): Douglas Simpson, University of Illinois at Urbana Champaign</i>		
		Add To My Program
	Fri, 8/1/08, 12:00 PM - 1:00 PM	HY-Mineral Hall F-G
Workshop for Chairs of Programs in Statistics and Biostatistics Lunch (closed)		
ASA Caucus of Academic Representatives		

Chair(s): Douglas Simpson, University of Illinois at Urbana Champaign

[Add To My Program](#)

Fri, 8/1/08, 12:30 PM - 1:30 PM

HY-Granite A

ASA Board of Directors Lunch (closed)

ASA Board of Directors

Chair(s): Peter A. Lachenbruch, Oregon State University

[Add To My Program](#)

Fri, 8/1/08, 6:30 PM - 7:30 PM

HY-Monarch Suite

JSM Staff and ASA Board of Directors Reception

ASA Board of Directors

Chair(s): Ron Wasserstein, The American Statistical Association

[Add To My Program](#)

Fri, 8/1/08, 7:00 PM - 9:00 PM

HY-Mineral Hall F-G

Workshop for Chairs of Programs in Statistics and Biostatistics Dinner (closed)

ASA Caucus of Academic Representatives

Chair(s): Douglas Simpson, University of Illinois at Urbana Champaign

[Add To My Program](#)

Sat, 8/2/08, 7:00 AM - 6:00 PM

CC-A Lobby

ASA Membership/Special Assistance/Press Desk

[Add To My Program](#)

Sat, 8/2/08, 7:00 AM - 6:00 PM

CC-A Lobby

JSM Main Registration

[Add To My Program](#)

Sat, 8/2/08, 7:00 AM - 7:00 PM

CC-A Lobby

Cyber Center		
		Add To My Program
	Sat, 8/2/08, 7:30 AM - 8:30 AM	HY-Granite A
ASA Board of Directors Breakfast (closed)		
ASA Board of Directors		
<i>Organizer(s): Peter A. Lachenbruch, Oregon State University</i>		
		Add To My Program
	Sat, 8/2/08, 8:00 AM - 4:00 PM	HY-Agate C
Section on Statistical Education Small Group Strategic Planning (closed)		
Section on Statistical Education		
<i>Chair(s): Linda J. Young, University of Florida</i>		
		Add To My Program
	Sat, 8/2/08, 8:00 AM - 5:00 PM	CC-Exhibit Hall F
Exhibitor Move In and Lounge		
		Add To My Program
	Sat, 8/2/08, 8:30 AM - 5:30 PM	HY-Mineral Hall F-G
Workshop for Chairs of Programs in Statistics and Biostatistics (closed)		
ASA Caucus of Academic Representatives		
<i>Chair(s): Douglas Simpson, University of Illinois at Urbana Champaign</i>		
		Add To My Program
	Sat, 8/2/08, 8:30 AM - 6:00 PM	HY-Quartz A-B
ASA Board of Directors Meeting (closed)		
ASA Board of Directors		
<i>Chair(s): Peter A. Lachenbruch, Oregon State University</i>		

		Add To My Program
CE_01C	Sat, 8/2/08, 8:30 AM - 5:00 PM	CC-201
Generalized Linear Mixed Models: Theory and Applications - Continuing Education - Course		
ASA		
<i>Instructor(s): Oliver Schabenberger, SAS Institute Inc., Walter Stroup, University of Nebraska-Lincoln</i>		
<p>This two-day course is for those who want to learn about the theory and application of generalized linear mixed models across disciplines from a non-Bayesian perspective. Each day comprises theory and application components with numerous examples. The material is presented at an applied level, accessible to participants with training in linear statistical models and previous exposure to linear mixed models. On the first day, we will cover classes of mixed models and how their features are made manifest in today's likelihood-based estimation methods. We will make the connection between linear models, generalized linear models, linear mixed models, and generalized linear mixed models (GLMM) in terms of model formulation, distributional properties, and approaches to estimation. Participants will learn that GLMMs are an encompassing family and understand the differences and similarities in approaches to estimation and inference within the family. We will discuss overarching issues that confront analysts who work with correlated, non-normal data, such as overdispersion, the marginal and conditional models, and model diagnostics. During the second day, we will focus on application areas for GLMMs and examples; supporting theory will be introduced as needed. Focus areas will include modeling of rates and proportions, modeling of regular and zero-inflated counts, mixed model smoothing, the computation of power and sample size, and inferential tasks with and without adjustments. Computations will be based on the mixed model tools in SAS/STAT software.</p>		
		Add To My Program
CE_02C	Sat, 8/2/08, 8:30 AM - 5:00 PM	CC-203
Genetic and Microarray Data Analysis - Continuing Education - Course		
ASA		
<i>Instructor(s): Russ Wolfinger, SAS Institute Inc., Carl D. Langefeld, Wake Forest University Health Sciences</i>		
<p>This course is for statisticians who wish to learn about statistical genetics, microarray data analysis, and prediction with genomic biomarkers. Course content will be at the intermediate level. It time permits, we will cover topics such as copy number, exon arrays, CHIP-on-Chip, and eQTL. There will be a mixture of theory and practical examples. JMP Genomics software and custom scripts will be used for illustration.</p>		
		Add To My Program

CE_03C	Sat, 8/2/08, 8:30 AM - 5:00 PM	CC-204
Optimal Experimental Designs - Continuing Education - Course		
ASA, Section on Physical and Engineering Sciences		
<i>Instructor(s): Alexander N. Donev, University of Manchester, Randy Tobias, SAS Institute Inc.</i>		
<p>Optimal design for the practitioner is often discussed as a "black box," shying away from the theory. On the contrary, the premise for this course is that powerful practical approaches for assessing the properties of standard designs and of finding good designs in nonstandard situations result from familiarity with the theory of optimal experimental design. We will start by covering fundamental theory, including forms of the General Equivalence Theorem that are central to algorithms for the construction of optimal designs. These ideas will be illustrated with standard designs for response surface models. We will move on to common nonstandard problems in design for response surfaces, such as blocking, finding designs over irregular regions, and mixture designs. We will also discuss the augmentation of designs and designs for checking the adequacy of models. Many models in chemistry and the pharmaceutical industry are nonlinear in the parameters. Optimal designs for these models depend on prior information about the parameters, which may be available in the form of a prior distribution. We will show how this information may be used to provide good designs.</p>		
		Add To My Program
CE_04C	Sat, 8/2/08, 8:30 AM - 5:00 PM	CC-205
Regression Modeling Strategies - Continuing Education - Course		
ASA		
<i>Instructor(s): Frank E. Harrell, Jr., Vanderbilt University</i>		
<p>All standard regression models have assumptions that must be verified for the model to have power to test hypotheses and predict accurately. Of the principal assumptions, this course will emphasize methods for assessing and satisfying linearity and additivity. Practical but powerful tools will be presented for validating model assumptions and presenting model results. This course provides methods for estimating the shape of the relationship between predictors and response by augmenting the design matrix using restricted cubic splines. Even when assumptions are satisfied, over fitting can ruin a model's predictive ability for future observations. Methods for data reduction will be introduced, methods of model validation will be covered, and auxiliary topics such as modeling interaction surfaces, efficiently utilizing partial covariable data by using multiple imputation, variable selection, overly influential observations, collinearity, and shrinkage will be discussed. The methods covered will apply to almost any regression model, including ordinary least squares, logistic regression models, and survival models.</p>		
		Add To My Program
CE_05C	Sat, 8/2/08, 8:30 AM - 5:00 PM	CC-210-212
Hot Topics in Clinical Trials - Continuing Education - Course		

ASA, Section on Teaching Statistics in the Health Sciences, ASA, Boston Chapter

Instructor(s): Scott R. Evans, Harvard University, Lee-Jen Wei, Harvard University, Lu Tian, Northwestern University, Lingling Li, Harvard Medical School

We will address several hot-topic areas in clinical trials, including the use of prediction to identify biomarkers, meta-analysis of rare safety events, data monitoring committees, data monitoring using prediction, noninferiority studies, causal inference, benefit:risk assessment, and bridging studies. We will present motivating examples and discuss standard and novel approaches to analyses.

[Add To My Program](#)

CE_06C

Sat, 8/2/08, 8:30 AM - 5:00 PM

CC-207

Successful Data Mining in Practice - Continuing Education - Course

ASA

Instructor(s): Richard D. De Veaux, Williams College

This course will introduce data mining, which is the exploration and analysis of large data sets by automatic or semiautomatic means with the purpose of discovering meaningful patterns. The knowledge learned from these patterns can be used for decisionmaking via "knowledge discovery." Much exploratory data analysis and inferential statistics concern the same type of problems, so what is different about data mining? What is similar? In the course, I will attempt to answer these questions by providing a broad survey of the problems that motivate data mining and the approaches used to solve them.

[Add To My Program](#)

Sat, 8/2/08, 9:00 AM - 5:00 PM

CC-Exhibit Hall A

Career Placement Service (job posting and resume submission only)

[Add To My Program](#)

Sat, 8/2/08, 10:00 AM - 6:00 PM

CC-F2 Lobby Office

Speaker Management Room

[Add To My Program](#)

Sat, 8/2/08, 11:30 AM - 12:30 PM

HY-Mineral Hall A

Association of General Clinical Research Center Statisticians Annual Meeting Lunch (closed)

Association of General Clinical Research Center Statisticians (GCRC)		
<i>Organizer(s): James J. Grady, The University of Texas Medical Branch</i>		
		Add To My Program
	Sat, 8/2/08, 12:00 PM - 5:00 PM	CC-A Lobby
ASA Marketplace		
		Add To My Program
	Sat, 8/2/08, 12:00 PM - 1:00 PM	HY-Granite A
ASA Board of Directors Lunch (closed)		
ASA Board of Directors		
<i>Chair(s): Peter A. Lachenbruch, Oregon State University</i>		
		Add To My Program
	Sat, 8/2/08, 12:30 PM - 5:30 PM	HY-Mineral Hall B-C
Association of General Clinical Research Center Statisticians Annual Meeting (closed)		
Association of General Clinical Research Center Statisticians (GCRC)		
<i>Organizer(s): James J. Grady, The University of Texas Medical Branch</i>		
		Add To My Program
	Sat, 8/2/08, 3:00 PM - 6:00 PM	HY-Mineral Hall A
NISS/SAMSI Affiliates Meeting (closed)		
National Institute of Statistical Sciences, Statistical and Applied Mathematical Sciences Institute		
<i>Organizer(s): Alan Karr, National Institute of Statistical Sciences</i>		
		Add To My Program
	Sat, 8/2/08, 6:30 PM - 9:30 PM	HY-Agate C
Section on Statistical Education Strategic Planning (closed)		
Section on Statistical Education		

Chair(s): Linda J. Young, University of Florida

[Add To My Program](#)

Sun, 8/3/08, 7:00 AM - 10:30 PM

CC-A Lobby

Cyber Center

[Add To My Program](#)

Sun, 8/3/08, 7:00 AM - 8:30 PM

CC-A Lobby

JSM Main Registration

[Add To My Program](#)

Sun, 8/3/08, 7:00 AM - 8:30 PM

CC-A Lobby

ASA Membership/Special Assistance/Press Desk

[Add To My Program](#)

Sun, 8/3/08, 7:00 AM - 8:30 AM

HY-Mineral Hall A

Association of General Clinical Research Center Statisticians Annual Meeting Breakfast (closed)

Association of General Clinical Research Center Statisticians (GCRC)

Organizer(s): James J. Grady, The University of Texas Medical Branch

[Add To My Program](#)

Sun, 8/3/08, 7:30 AM - 9:30 AM

CC-208

Committee on Women in Statistics Meeting (closed)

Committee on Women in Statistics

Chair(s): Mari Palta, University of Wisconsin-Madison

[Add To My Program](#)

Sun, 8/3/08, 7:30 AM - 9:00 AM

HY-Agate A

Committee on Publications (closed)

Committee on Publications

Chair(s): Edward J. Wegman, George Mason University

[Add To My Program](#)

Sun, 8/3/08, 8:00 AM - 11:00 AM

CC-Exhibit Hall F

Exhibitor Move In

[Add To My Program](#)

Sun, 8/3/08, 8:00 AM - 12:00 PM

CC-206

Advisory Committee on Teacher Enhancement Business Meeting

Advisory Committee on Teacher Enhancement

Chair(s): Deborah Rumsey, The Ohio State University

[Add To My Program](#)

Sun, 8/3/08, 8:00 AM - 12:00 PM

HY-Mineral Hall B-C

Association of General Clinical Research Center Statisticians Annual Meeting (closed)

Association of General Clinical Research Center Statisticians (GCRC)

Organizer(s): James J. Grady, The University of Texas Medical Branch

[Add To My Program](#)

203649

Sun, 8/3/08, 8:00 AM - 5:00 PM

CC--South Shuttle Bus Drop Off/14th & California

TR01 - Rocky Mountain National Park/Grand Lakes Tour

Take a brief tour through historic Estes Park on your way to Rocky Mountain National Park, where you will see elk, deer, and other wildlife. Next, you will travel to Grand Lake, the largest natural lake in Colorado. Advance Tickets: \$63 per person; On-site Tickets: \$68 per person

[Add To My Program](#)

CE_07C

Sun, 8/3/08, 8:00 AM - 12:00 PM

CC-207

Design and Analysis of Epidemiologic Studies of Gene-Environment Interactions - Continuing Education - Course

ASA, Section on Statistics in Epidemiology

Instructor(s): Raymond Carroll, Texas A&M University, Nilanjan Chatterjee, National Cancer Institute

Most common human diseases have a multifactorial etiology involving a complex interplay of genetic and environmental exposures. Understanding how genetic and environmental exposures interact and jointly influence the risk of a complex disease can be important for both biological and public health purposes. We will present the state of the art of efficient design and analysis for studies of gene-environment interaction by statisticians, epidemiologists, and geneticists. Topics covered will include population- and family-based case-control designs, stratified sampling designs, modern semiparametric methods for analysis of case-control data, estimation of haplotype-environment interactions, and flexible modeling approaches to empirical Bayes methods. We will blend theory and applications with illustrations using real examples and software implementation.

[Add To My Program](#)

CE_08C

Sun, 8/3/08, 8:30 AM - 5:00 PM

CC-203

Modern Practical Bayesian Clinical Trial Design - Continuing Education - Course

ASA, Section on Bayesian Statistical Science

Instructor(s): Peter F. Thall, The University of Texas M.D. Anderson Cancer Center, J. Kyle Wathen, The University of Texas M.D. Anderson Cancer Center

We will cover practical Bayesian methods for clinical trial design and conduct. Attendees should have a master's degree in statistics, or equivalent experience, and an understanding of elementary Bayesian concepts. There will be numerous illustrations using actual clinical trials. Drawn from oncology, examples will include methods for eliciting and calibrating priors, incorporating historical data, and using computer simulation to establish a design's frequentist properties. The morning will cover phase I designs-including dose-finding using the continual reassessment method and logistic regression, finding optimal dose pairs of a two-agent combination, and accommodating multiple toxicities-and phase II designs, including a paradigm for monitoring multiple discrete outcomes, randomized phase II trials, monitoring event times, hierarchical Bayesian methods for trials with multiple disease subtypes, and using regression to account for patient heterogeneity. The afternoon will cover phase I/II dose-finding based on efficacy-toxicity trade-offs, optimizing schedule of administration, jointly optimizing dose and schedule, adaptive randomization, a geometric approach to treatment comparison based on two-dimensional parameters, and designs to evaluate multistage dynamic treatment regimes.

[Add To My Program](#)

CE_09C

Sun, 8/3/08, 8:30 AM - 5:00 PM

CC-204

Statistical Challenges in Proteomics - Continuing Education - Course

ASA, Biometrics Section

Instructor(s): Scott C. Schmidler, Duke University

Proteomics is the next frontier in the rapidly evolving field of bioinformatics. I will provide an introduction to the principal aims, technologies, and statistical issues arising in structural and functional proteomics studies. Topics will include experimental data sources (e.g., X-ray, NMR, mass spectrometry [MALDI, SELDI, MS/MS], peptide arrays), statistical problems in structural proteomics (e.g., molecular comparison and database search, classification of structures, structure-based function prediction), and statistical problems in functional proteomics (e.g., fragment identification, normalization and registration of spectra, peak finding, sample comparison, classification and biomarker identification).

[Add To My Program](#)

CE_10C

Sun, 8/3/08, 8:30 AM - 5:00 PM

CC-205

Systematically Improving Your Professional Practice - Continuing Education - Course

ASA, Committee on Career Development

Instructor(s): Doug Zahn, Zahn and Associates

The key to professional growth is becoming increasingly effective in the interactions that constitute professional practice. Central to this growth are processes for structuring effective interactions and dealing with breakdowns that inevitably occur. Participants will enhance their professional development by learning a process for engaging in effective interactions that focuses on five activities: prepare, open, work, end, and reflect. While this knowledge is valuable, by itself it is not enough to markedly improve your practice. Improvement requires facing the uncomfortable fact that no matter how carefully we plan, breakdowns inevitably occur. The second objective for the course is learning a process for dealing with breakdowns. You will learn to use the processes by doing, observing, and analyzing videos of three role-plays of three different situations that arise in professional practice. (We will construct these situations from pre-course information gathered from participants.) You will participate once as consultant, once as client, and once as observer of a role-play. It is amazing to discover your own responses to difficult situations through the objective lens of the camera. Using the tools in the workshop and your new awareness, you will have more effective interactions when you return to work. Prerequisite: At least one year of professional practice.

[Add To My Program](#)

CE_11C

Sun, 8/3/08, 8:30 AM - 5:00 PM

CC-210-212

Principles of Statistical Design - Continuing Education - Course

ASA

Instructor(s): George Casella, University of Florida

We will cover the principles and practice of statistical design, paying attention to the setup and implementation of an experiment and the underlying theory that allows valid inferences. The course will begin with a review of the basic tools for statistical design and the statistical package R. The more common designs (e.g., factorial completely randomized designs, randomized complete blocks) and their variations (e.g., Latin squares) will be covered. Emphasis will be on designing the experiment to obtain the best inference on treatment contrasts, and designs will be illustrated with real data problems. We will focus on microarray designs and spend a lot of time on split plots and their variations (e.g., strip plot, repeated measures). Finally, we will move to confounding (e.g., incomplete blocks, fractions). This course is aimed at professional-level statisticians or interested faculty and graduate students. Attendees should have a working knowledge of statistical methodology and data analysis (e.g., Rawlings et al. Applied Regression Analysis, Springer-Verlag, 1998).

[Add To My Program](#)

CE_01C

Sun, 8/3/08, 8:30 AM - 5:00 PM

CC-201

Generalized Linear Mixed Models: Theory and Applications - Continuing Education - Course

ASA

Instructor(s): Oliver Schabenberger, SAS Institute Inc., Walter Stroup, University of Nebraska-Lincoln

This two-day course is for those who want to learn about the theory and application of generalized linear mixed models across disciplines from a non-Bayesian perspective. Each day comprises theory and application components with numerous examples. The material is presented at an applied level, accessible to participants with training in linear statistical models and previous exposure to linear mixed models. On the first day, we will cover classes of mixed models and how their features are made manifest in today's likelihood-based estimation methods. We will make the connection between linear models, generalized linear models, linear mixed models, and generalized linear mixed models (GLMM) in terms of model formulation, distributional properties, and approaches to estimation. Participants will learn that GLMMs are an encompassing family and understand the differences and similarities in approaches to estimation and inference within the family. We will discuss overarching issues that confront analysts who work with correlated, non-normal data, such as overdispersion, the marginal and conditional models, and model diagnostics. During the second day, we will focus on application areas for GLMMs and examples; supporting theory will be introduced as needed. Focus areas will include modeling of rates and proportions, modeling of regular and zero-inflated counts, mixed model smoothing, the computation of power and sample size, and inferential tasks with and without adjustments. Computations will be based on the mixed model tools in SAS/STAT software.

[Add To My Program](#)

203651

Sun, 8/3/08, 9:00 AM - 3:00 PM

CC--South Shuttle Bus Drop Off/14th & California

TR02 - Celestial Seasonings and Town of Boulder Tour

Celestial Seasonings is the largest manufacturer and marketer of specialty hot teas in the United States. Stroll through the herb garden, experience the mind-clearing power of peppermint and spearmint in The Mint Room, and view the eclectic collection of teapots and teacups. Finish the tour with a sampling of tea. Advance Tickets: \$43 per person; On-site Tickets: \$48 per person

[Add To My Program](#)

Sun, 8/3/08, 9:00 AM - 5:00 PM

CC-Main Lobby

Denver Visitors Information Center[Add To My Program](#)

Sun, 8/3/08, 9:00 AM - 5:00 PM

CC-A Lobby

ASA Marketplace[Add To My Program](#)Sun, 8/3/08, 9:00 AM - 5:00
PM

HY-Quartz A-B

Writing Workshop for Junior Researchers-Tutorial (closed)**ASA, National Institute of Statistical Sciences***Chair(s): Keith Crank, The American Statistical Association*[Add To My Program](#)

Sun, 8/3/08, 9:00 AM - 7:00 PM

CC-F2 Lobby Office

Speaker Management Room[Add To My Program](#)

Sun, 8/3/08, 9:30 AM - 11:30 AM

CC-208

Caucus for Women in Statistics Executive Committee Meeting (closed)**Caucus for Women in Statistics***Organizer(s): Marcia Ciol, University of Washington*[Add To My Program](#)

	Sun, 8/3/08, 10:00 AM - 1:00 PM	HY-Agate B
Council of Sections Governing Board Meeting		
Council of Sections		
<i>Chair(s): Linda Gage, California Department of Finance</i>		
Add To My Program		
	Sun, 8/3/08, 11:30 AM - 2:30 PM	HY-Agate C
Committee on Committees (closed)		
Committee on Committees		
<i>Chair(s): Susan Devlin, The Artemis Group</i>		
Add To My Program		
	Sun, 8/3/08, 11:30 AM - 2:00 PM	HY-Mineral Hall D-E
Statistica Sinica Editorial Board Meeting (closed)		
Statistica Sinica		
<i>Organizer(s): Jing-Shiang Hwang, Academia Sinica</i>		
Add To My Program		
	Sun, 8/3/08, 12:00 PM - 1:30 PM	HY-Agate A
Journal of Statistics Education Editorial Board Meeting (closed)		
JSE-Journal of Statistic Education		
<i>Chair(s): William Notz, The Ohio State University</i>		
Add To My Program		
	Sun, 8/3/08, 12:00 PM - 1:30 PM	HY-Mineral Hall A
Association of General Clinical Research Center Statisticians Annual Meeting Lunch (closed)		
Association of General Clinical Research Center Statisticians (GCRC)		
<i>Organizer(s): James J. Grady, The University of Texas Medical Branch</i>		

		Add To My Program
	Sun, 8/3/08, 12:00 PM - 1:30 PM	CC-208
Amgen, Inc. (closed)		
Amgen, Inc.		
<i>Organizer(s): Chander Varma, Amgen, Inc</i>		
		Add To My Program
	Sun, 8/3/08, 1:00 PM - 6:00 PM	CC-Exhibit Hall F
EXPO 2008		
		Add To My Program
	Sun, 8/3/08, 1:00 PM - 6:00 PM	CC-Exhibit Hall F
American Statistical Association Booth #101		
		Add To My Program
	Sun, 8/3/08, 1:00 PM - 6:00 PM	CC-Exhibit Hall A
Career Placement Service (full placement service open)		
		Add To My Program
CE_12C	Sun, 8/3/08, 1:00 PM - 5:00 PM	CC-207
Sampling in Networks - Continuing Education - Course		
ASA, Section on Survey Research Methods		
<i>Instructor(s): Steven K. Thompson, Simon Fraser University</i>		
<p>Network models are in increasing use to describe populations, including socially networked human populations, computer and communication networks, and gene regulatory networks. A network has nodes (e.g., people) and links (e.g., relationships between people). The nodes may have characteristics of interest, and the relationships may be of different types and strengths. Network data, however, generally represent a sample from the wider population network of interest. This short course will cover methods for obtaining samples from networks and using the sample data to make inference about characteristics of the population network. In many cases the only practical way to obtain a large enough sample from the population is to follow links from sample individuals to add more individuals to the sample. For example, in studies of the risk</p>		

behaviors in people at risk for HIV/AIDS, the population is hidden so standard sampling designs cannot be applied. Instead, researchers follow social referrals from individuals in the sample to find more members of the hidden population. Similarly, in studies of the World Wide Web, links or connections from sites in the sample are followed to add more sites to the sample. Network methods also turn out to be useful for spatial sampling in environmental and ecological sciences where the populations tend to be highly clustered or rare. Link-tracing sampling designs will be described, together with design-based and Bayes methods for estimating population characteristics based on such samples. Computational methods and available software also will be described.

		Add To My Program
	Sun, 8/3/08, 1:30 PM - 4:00 PM	HY-Granite A-C

Council of Sections Annual Business Meeting

Council of Sections

Chair(s): Linda Gage, California Department of Finance

		Add To My Program
203652	Sun, 8/3/08, 2:00 PM - 6:00 PM	CC--South Shuttle Bus Drop Off/14th & California

TR03 - Mile High Historical Tour

Start at the Auraria College Campus and the 9th Street Historic Park before heading to the Brown Palace Hotel. Next, stop at "unsinkable" Molly Brown's house for a tour, and then on to the Byers-Evans house, home to the family of William Gray Evans. Advance Tickets: \$48 per person; On-site Tickets: \$53 per person

		Add To My Program
1	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-709

Designing Courses on Statistical Computing - Invited - Papers

Section on Statistical Computing, Section on Statistical Education, WNAR

Organizer(s): David Banks, Duke University

Chair(s): Thomas Lumley, University of Washington

2:05 PM	Computing in the Nonintroductory Statistics Classes — ■Deborah Nolan, University of California, Berkeley
2:30 PM	Computational Graphics — ■Leland Wilkinson, Northwestern University
2:55 PM	Computing in the Graduate Curriculum — ■Duncan Temple Lang, University of California, Davis

3:20 PM	Disc: Roger D. Peng, Johns Hopkins Bloomberg School of Public Health	
3:40 PM	Floor Discussion	
Add To My Program		
2 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-601
Recent Advances in Computer Experiments: New Methods with Diverse Applications - Invited - Papers		
Section on Physical and Engineering Sciences, Section on Quality and Productivity		
<i>Organizer(s): Zhiguang (Peter) Qian, University of Wisconsin-Madison</i>		
<i>Chair(s): Zhiguang (Peter) Qian, University of Wisconsin-Madison</i>		
2:05 PM	Gaussian Process Models for Computer Experiments with Qualitative and Quantitative Factors — ■ C.F. Jeff Wu, Georgia Institute of Technology; Zhiguang (Peter) Qian, University of Wisconsin-Madison; Huaqing Wu, Iowa State University	
2:30 PM	A Bayesian Approach for the Identification of Pollution Source Directions — ■ C. Shane Reese, Brigham Young University	
2:55 PM	Calibration and Ensemble Prediction for Multiple Computer Models and Data Sources — ■ Brian Williams, Los Alamos National Laboratory; Thomas J. Santner, The Ohio State University; Max Morris, Iowa State University	
3:20 PM	Design and Analysis of Computer Experiments in High Dimensions — ■ Derek Bingham, Simon Fraser University	
3:45 PM	Floor Discussion	
Add To My Program		
3 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-113
Statistical Issues for Biodiversity Assessments - Invited - Papers		
Section on Statistics and the Environment		
<i>Organizer(s): Ronald E. McRoberts, U.S. Forest Service</i>		
<i>Chair(s): Estelle Russek-Cohen, U.S. Food and Drug Administration</i>		
2:05 PM	Predicting Seasonal Changes in Species Composition and Richness While Accounting for Imperfect Detectability — ■ Robert M. Dorazio, U.S. Geological Survey/University of Florida; Marc Kery, Swiss Ornithological Institute; J. Andrew Royle, U.S. Geological Survey	
2:30 PM	Modeling Mixtures of Three States of a Count Process: A Zero-State and Two Poisson Count States — ■ Mary C. Christman, University of Florida	

2:55 PM	A Hierarchical Spatial Model for Predicting Forest Biodiversity Across Large Domains — ■ Andrew O. Finley, Michigan State University; Sudipto Banerjee, The University of Minnesota; Ronald E. McRoberts, U.S. Forest Service
3:20 PM	Predicting and Mapping Forest Species Composition and Structural Attributes — ■ Ronald E. McRoberts, U.S. Forest Service
3:45 PM	Floor Discussion
Add To My Program	
4 ▲	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-102
Statistics in Defense and National Security: Past, Present, and Future - Invited - Papers	
Section on Statisticians in Defense and National Security , Social Statistics Section, Chance	
<i>Organizer(s): Wendy Martinez, Office of Naval Research</i>	
<i>Chair(s): Wendy Martinez, Office of Naval Research</i>	
2:05 PM	Statistics and National Defense Until 1960 — ■ Fritz Scheuren, The University of Chicago
2:35 PM	Statistics in Defense and National Security: You Need More Than Statistics; You Need the Right Statistics — ■ Nancy L. Spruill, Office of the Secretary of Defense; Ernest A. Seglie, Office of the Secretary of Defense; Alyson G. Wilson, Los Alamos National Laboratory
3:05 PM	Statistics in Defense and National Security: Past, Present, and an Eye to the Future — ■ James R. Thompson, Rice University
3:35 PM	Floor Discussion
Add To My Program	
5 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-603
Recent Bayesian Modeling and Computation Advances Published in JCGS - Invited - Papers	
JCGS-Journal of Computational and Graphical Statistics , Section on Bayesian Statistical Science	
<i>Organizer(s): David A. van Dyk, University of California, Irvine</i>	
<i>Chair(s): David A. van Dyk, University of California, Irvine</i>	
2:05 PM	Bayesian Model-Based Clustering Procedures — ■ John W. Lau, University of the Witwatersrand; Peter J. Green, University of Bristol
2:35 PM	Calibrating Environmental Engineering Models — ■ David Ruppert, Cornell University

3:05 PM	Improved Estimation of Normalizing Constants from MCMC Output — ■Perry de Valpine, University of California, Berkeley
3:35 PM	Floor Discussion
Add To My Program	
6 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-705
Advances in Functional Data Analysis - Invited - Papers	
Section on Statistical Computing , Section on Nonparametric Statistics, Section on Physical and Engineering Sciences, IMS	
<i>Organizer(s): Giles Hooker, Cornell University</i>	
<i>Chair(s): James Booth, Cornell University</i>	
2:05 PM	Functional Regression in a Marketing Context — ■Gareth M. James, University of Southern California
2:30 PM	Forecasting with Functional Data in E-commerce — ■Wolfgang Jank, University of Maryland, College Park; Natasha Foutz, University of Virginia; Gareth M. James, University of Southern California
2:55 PM	Modeling Sparse Generalized Longitudinal Observations with Latent Gaussian Processes — ■Fang Yao, University of Toronto; Hans G. Müller, University of California, Davis; Peter G. Hall, The University of Melbourne
3:20 PM	Structural Tests in Regression on Functional Variables — ■Laurent Delsol, Institut de Mathématiques de Toulouse
3:45 PM	Floor Discussion
Add To My Program	
7 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-712
Bridging Clinical Trials - Invited - Papers	
WNAR , Biopharmaceutical Section, Section on Health Policy Statistics, Biometrics Section	
<i>Organizer(s): Yi Tsong, U.S. Food and Drug Administration</i>	
<i>Chair(s): Yi Tsong, U.S. Food and Drug Administration</i>	
2:05 PM	A Bayesian Approach for Local Bridging Evaluation and Sample Size Determination in a Multiregional Trial — Yi-Hau Chen, Institute of Statistical Science, Academia Sinica; Ya-Chi Wu, Center for Drug Evaluation, Taiwan; ■Mey Wang, Center for Drug Evaluation, Taiwan
2:30 PM	Statistical Issues in Multiregional Clinical Trials — ■Yoko Tanaka, Eli Lilly and Company

2:55 PM	Some Considerations in Design and Analysis of Multiregional Clinical Trials — ■ Yoichi Ii, Pfizer Japan, Inc
3:20 PM	Disc: Janet Wittes, Statistics Collaborative, Inc.
3:40 PM	Floor Discussion
Add To My Program	
8 ● ● ▲	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-101
Statistics in the Colorado News - Invited - Papers	
ASA, Colorado-Wyoming Chapter, WNAR	
<i>Organizer(s): Matthew Pocernich, National Center for Atmospheric Research</i>	
<i>Chair(s): Matthew Pocernich, National Center for Atmospheric Research</i>	
2:05 PM	A Modeling Framework for Evaluation and Comparison of Mp-/Id-Nat Trigger Strategies for West Nile Virus Screening — ■ Brad Biggerstaff, Centers for Disease Control and Prevention; Lyle R. Petersen, Centers for Disease Control and Prevention
2:30 PM	Nanostatistics: Numeracy for Trace-Level Environmental Contaminants — ■ Dennis Helsel, Practical Stats
2:55 PM	Graduation Rates and Dropout Rates in Denver Public Schools — ■ Alan Davis, University of Colorado Denver
3:20 PM	Disc: John Pape, Colorado Department of Public Health and Environment
3:40 PM	Floor Discussion
Add To My Program	
9 ▲	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-703
Multiplicities in Statistical Analysis - Invited - Papers	
IMS, Biopharmaceutical Section, Section on Bayesian Statistical Science	
<i>Organizer(s): Peter Mueller, The University of Texas M.D. Anderson Cancer Center</i>	
<i>Chair(s): Peter Mueller, The University of Texas M.D. Anderson Cancer Center</i>	
2:05 PM	Bayesian Adjustment for Multiplicity — ■ James Berger, Duke University/SAMSI; James G. Scott, Duke University
2:35 PM	Bayesian Model Robustness: Novel Approaches That Avoid Multiplicities — ■ Kenneth Rice, University of Washington
3:05 PM	Bayesian and Frequentist Multiple Testing in Cancer Genome Sequencing — ■ Giovanni Parmigiani, Johns Hopkins University; Simina Boca, Johns Hopkins Bloomberg School of Public Health

3:35 PM	Floor Discussion	
		Add To My Program
10 	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-106
Training TAs To Teach in Graduate School and Beyond - Invited - Panel		
Section on Statistical Education , Section on Teaching Statistics in the Health Sciences		
<i>Organizer(s): Jackie Miller, The Ohio State University</i>		
<i>Chair(s): Jackie Miller, The Ohio State University</i>		
Abstract:	Training TAs To Teach in Graduate School and Beyond	
Panelists:	<ul style="list-style-type: none">  Jessica Utts, University of California, Irvine  Candace Berrett, The Ohio State University  Roger Woodard, North Carolina State University  Deborah Rumsey, The Ohio State University  W. Robert Stephenson, Iowa State University 	
3:45 PM	Floor Discussion	
		Add To My Program
11	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-103
Survey Respondent Incentives: Research and Practice - Invited - Panel		
Section on Government Statistics , Social Statistics Section, Section on Survey Research Methods		
<i>Organizer(s): Brian Harris-Kojetin, U.S. Office of Management and Budget</i>		
<i>Chair(s): Ed Spar, Council of Professional Associations on Federal Statistics</i>		
Abstract:	Survey Respondent Incentives: Research and Practice	
Panelists:	<ul style="list-style-type: none">  Robert Groves, The University of Michigan  Brian Harris-Kojetin, U.S. Office of Management and Budget  Richard Kulka, Abt Associates, Inc.  Clyde Tucker, Bureau of Labor Statistics  Geraldine Mooney, Mathematica Policy Research, Inc. 	
3:45 PM	Floor Discussion	
		Add To My Program
12  	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-702
Generalized Linear Mixed Models with Applications in Biometry - Topic Contributed - Papers		

Section on Statistical Consulting, WNAR, Biopharmaceutical Section		
<i>Organizer(s): Jun Zhu, University of Wisconsin-Madison</i>		
<i>Chair(s): Jun Zhu, University of Wisconsin-Madison</i>		
2:05 PM	Modeling Mosquito Abundance in Thailand Using GLMMs — ■Linda J. Young, University of Florida; Robert H. Zimmerman, University of Florida	
2:25 PM	Analysis of Hatch Data in Poultry Science: Moving from the Arcsine Square Root Transformation to Generalized Linear Mixed Modeling with SAS PROC GLIMMIX — ■Kevin S. McCarter, Louisiana State University; Yan Qi, Louisiana State University	
2:45 PM	Modeling the Regeneration of Grass in Golfing Divots Using GLMMs — ■Bruce Craig, Purdue University	
3:05 PM	Spatial-Temporal Generalized Linear Mixed Models — ■Yanbing Zheng, University of Kentucky; Jun Zhu, University of Wisconsin-Madison; Brian Aukema, Canadian Forest Service/University of Northern British Columbia	
3:25 PM	Generalized Linear Mixed Models and Resource Selection Analyses — ■Kenneth W. Horton, Air Force Academy; J. Richard Alldredge, Washington State University	
3:45 PM	Floor Discussion	
		Add To My Program
13 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-607
Model-Based Inference and Gene Expression Applications - Topic Contributed - Papers		
Biometrics Section, Biopharmaceutical Section, WNAR		
<i>Organizer(s): David Bickel, Ottawa Institute of Systems Biology</i>		
<i>Chair(s): David Bickel, Ottawa Institute of Systems Biology</i>		
2:05 PM	Modeling the Distribution of P-Values in High-Dimensional Testing Applications — ■Gary L. Gadbury, Kansas State University	
2:25 PM	Criterion-Based Model Selection and Model Selection Philosophy — ■Kenneth P. Burnham, U.S. Geological Survey/CSU	
2:45 PM	Toward a Characterization of Gene Expression Variation in Tumors — ■Joseph Lucas, Duke Institute for Genome Science and Policy	
3:05 PM	MCMC Inference for a Model with Sampling Bias: An Illustration Using SAGE Data — ■Russell L. Zaretzki, The University of Tennessee, Knoxville; Mike Gilchrist, The University of Tennessee, Knoxville; William M. Briggs, Methodist Hospital; Artin Armagan, The University of Tennessee, Knoxville	
3:25 PM	Disc: Robert H. Podolsky, Medical College of Georgia	

3:45 PM	Floor Discussion	
		Add To My Program
14	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-708
Study Design Issues in Medical Device Clinical Trials - Topic Contributed - Papers		
Biopharmaceutical Section, WNAR, Biometrics Section		
<i>Organizer(s): John C. Evans, Boston Scientific Corporation, Lilly Yue, U.S. Food and Drug Administration</i>		
<i>Chair(s): Yao Huang, U.S. Food and Drug Administration</i>		
2:05 PM	Using Propensity Scoring Methods in Medical Device Studies That Include Both FDA Approval and CMS Reimbursement Endpoints — ■Dennis King, STATKING Consulting, Inc.	
2:25 PM	Simulated Sample Size Required for a Geographical Region Relative to a Global Study in a Medical Device Trial — ■Jian Huang, Boston Scientific Corporation; Haiying Lin, Boston Scientific Corporation; Yukiko Imai, Boston Scientific Corporation	
2:45 PM	Statistical Issues in Adaptive Design Trial — ■Yonghong Gao, U.S. Food and Drug Administration	
3:05 PM	Adaptive Group-Sequential Design and Analysis for Correlated Binary Data on Repeated Venous Accessions — ■John C. Evans, Boston Scientific Corporation; Brian P. Johnson, Boston Scientific Corporation; So Jung Imm, Boston Scientific Corporation	
3:25 PM	Sample Size Simulation for a Post-Market Surveillance Study — ■Hongyan Qiao, Medtronic, Inc.	
3:45 PM	Floor Discussion	
		Add To My Program
15	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-104
Time Series I: Seasonal Adjustment - Topic Contributed - Papers		
Business and Economics Statistics Section		
<i>Organizer(s): Tucker S. McElroy, U.S. Census Bureau</i>		
<i>Chair(s): Duncan J. Elliott, The Office for National Statistics, UK</i>		
2:05 PM	Seasonal Adjustment in a Mass Production Environment — ■Gary C. Brown, The Office for National Statistics, UK; Duncan J. Elliott, The Office for National Statistics, UK	

2:25 PM	Modeling of BLS and Census Bureau Seasonal Time Series with Frequency-Specific Generalized Airline Models — ■David Findley, U.S. Census Bureau; Thomas Evans, Bureau of Labor Statistics; Jean Palate, National Bank of Belgium; Richard Tiller, Bureau of Labor Statistics
2:45 PM	Using Besov Spaces and Empirical Mode Decomposition for Seasonal Extraction in Nonstationary Time Series — Christopher Blakely, Statistical Research Division; ■Christopher Blakely, Statistical Research Division
3:05 PM	European Guidelines on Seasonal Adjustment — ■Gian Luigi Mazzi, European Commission; Rosa Ruggeri Cannata, European Commission; Cristina Calizzani, European Commission
3:25 PM	The Application of X-13A-S on Monetary and Financial Data — ■Fida Hussain, Bank of England
3:45 PM	Floor Discussion

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Sun, 8/3/08, 2:00 PM - 3:50 PM

CC-110

Student Paper Competition: Bayesian Methods for Bioinformatics and Binary Data - Topic Contributed - Papers

Section on Bayesian Statistical Science, Section on Teaching Statistics in the Health Sciences, WNAR

Organizer(s): David A. van Dyk, University of California, Irvine

Chair(s): Michael Daniels, University of Florida

2:05 PM	Bayesian Model Search for Genetic Association Studies — ■Melanie A. Wilson, Duke University ; Edwin S. Iversen, Duke University ; Merlise Clyde, Duke University; Scott C. Schmidler, Duke University ; Joellen M. Schildkraut, Duke University
2:25 PM	Bayesian QTL Mapping for Multiple Traits — ■Samprit Banerjee, The University of Alabama at Birmingham; Nengjun Yi, The University of Alabama at Birmingham
2:45 PM	Bayesian Analysis of Longitudinal Binary Data Using Multivariate Bridge and Other Random Effects Models — ■Souparno Ghosh, Texas A&M University; Bani K. Mallick, Texas A&M University; Stuart R. Lipsitz, Harvard Medical School; Debajyoti Sinha, Florida State University
3:05 PM	A Robust Bayesian Approach in Binary Data for Clinical Trials — ■Jairo A. Fuquene, University of Puerto Rico; Luis R. Pericchi, University of Puerto Rico

3:25 PM	Reconstructing Tumor-Wise Protein Expression in Tissue Microarray Studies Using a Bayesian Cell Mixture Model — ■Ronglai Shen, Memorial Sloan-Kettering Cancer Center; Jeremy M.G. Taylor, The University of Michigan; Debashis Ghosh, The Pennsylvania State University	
3:45 PM	Floor Discussion	
		Add To My Program
17 ▲	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-707
New Developments in Rank-Based Nonparametric Methods - Topic Contributed - Papers		
Section on Nonparametric Statistics		
<i>Organizer(s): Lan Wang, The University of Minnesota</i>		
<i>Chair(s): Lan Wang, The University of Minnesota</i>		
2:05 PM	Confidence Intervals for a Finite Population Median Based on the Sign Test — ■Suzanne Dubnicka, Kansas State University	
2:25 PM	Asymptotic Properties of Rank Likelihoods for Copula Models — ■Xiaoyue Niu, University of Washington; Peter Hoff, University of Washington	
2:45 PM	A Robust Rank-Based Procedure for Incomplete Longitudinal Data — ■Robin Mogg, Merck Research Laboratories; Devan V. Mehrotra, Merck Research Laboratories; Yang Liu, Florida State University	
3:05 PM	Comparisons of Rank-Based Estimators for GEE Models — ■Joseph McKean, Western Michigan University; Ash Abebe, Auburn University; John Kloke, Pomona College	
3:25 PM	Rank-Based Estimation for GARCH Models — ■Beth Andrews, Northwestern University	
3:45 PM	Floor Discussion	
		Add To My Program
18	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-706
Risk Analysis for Industry and the Environment - Topic Contributed - Papers		
Section on Risk Analysis, Section on Quality and Productivity		
<i>Organizer(s): Richard L. Smith, The University of North Carolina at Chapel Hill</i>		
<i>Chair(s): Elizabeth C. Shamseldin, The University of North Carolina at Chapel Hill</i>		

2:05 PM	Quantifying Local Creation and Regional Transport Using a Hierarchical Space-Time Model of Ozone as a Function of Observed NO_x, a Latent VOC Process, Emissions, and Meteorology — ■Amy J. Nail, North Carolina State University; John F. Monahan, North Carolina State University; Jacqueline Hughes-Oliver, North Carolina State University
2:25 PM	An Analysis of the Potential Impact of Various Ozone Regulatory Standards — ■Rosalba Ignaccolo, Universita' degli Studi di Torino/SAMSI; Yongku Kim, Statistical and Applied Mathematical Sciences Institute; Bahjat Qaqish, The University of North Carolina at Chapel Hill; Michela Cameletti, Universita' degli Studi di Bergamo/SAMSI; Richard L. Smith, The University of North Carolina at Chapel Hill
2:45 PM	Multivariate Generalized Linear ARMA Processes: An Application to Hurricane Activity — ■Evangelos Evangelou, The University of North Carolina at Chapel Hill; Richard L. Smith, The University of North Carolina at Chapel Hill
3:05 PM	Probabilistic Risk Analysis for ICT Industry — ■Jose A. Rubio, Universidad Rey Juan Carlos; David Rios Insua, Universidad Rey Juan Carlos
3:25 PM	Seismic Risk Analysis — ■Mircea Grigoriu, Cornell University
3:45 PM	Floor Discussion

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19 ●

Sun, 8/3/08, 2:00 PM - 3:50 PM

CC-602

Methodological Challenges Encountered at the U.S. Centers for Disease Control and Prevention in the Division of HIV/AIDS Prevention - Topic Contributed - Papers

Section on Statistics in Epidemiology, Section on Government Statistics, Social Statistics Section, WNAR, Biometrics Section

Organizer(s): Felicia Hardnett, Centers for Disease Control and Prevention

Chair(s): Craig Borkowf, Centers for Disease Control and Prevention

2:05 PM	On Validating a Stepwise Variable Selection Algorithm with Another Stepwise Variable Selection Algorithm — ■Ryan E. Wiegand, Centers for Disease Control and Prevention
2:25 PM	Identifying and Interviewing Persons with a Recent HIV Diagnosis Not Yet Receiving Medical Care — ■Christopher H. Johnson, Centers for Disease Control and Prevention
2:45 PM	An Improved Procedure for Accounting for Reporting Delay — ■Ruiguang Song, Centers for Disease Control and Prevention

3:05 PM	Use of Population-Based Data Bases To Estimate HIV/AIDS-Relative Survival — ■Xinjian Zhang, Centers for Disease Control and Prevention; Ruiguang Song, Centers for Disease Control and Prevention; Kathleen McDavid Harrison, Centers for Disease Control and Prevention; Gengsheng (Jeff) Qin, Georgia State University
3:25 PM	Disc: Carol Y. Lin, Centers for Disease Control and Prevention
3:45 PM	Floor Discussion

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20 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-105
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Data-Driven Methods on Survey Data - Topic Contributed - Papers

Section on Survey Research Methods, Section on Nonparametric Statistics, Section on Government Statistics, SSC, Social Statistics Section

Organizer(s): Daniell Toth, Bureau of Labor Statistics

Chair(s): Sylvia Dohrmann, Westat, Inc.

2:05 PM	Building Regression Trees on Survey Data — ■Daniell Toth, Bureau of Labor Statistics; John L. Eltinge, Bureau of Labor Statistics
2:25 PM	Tree-Based Methods To Model Dependent Data — ■Guillermo Mendez, Arizona State University
2:45 PM	Nonparametric Density Estimation from Censored Data — ■Meghan S. O'Malley, Bureau of Labor Statistics
3:05 PM	Can Survey Bootstrap Replicates Be Used for Cross-Validation? — Geoff Rowe, Statistics Canada; ■David Binder, Statistics Canada
3:25 PM	Disc: Stephen Miller, Bureau of Labor Statistics
3:45 PM	Floor Discussion

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21 ▲	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-108
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An Overview of K--16 Poster and Project Competitions - Topic Contributed - Panel

Section on Statistical Education

Organizer(s): Neal Rogness, Grand Valley State University

Chair(s): John Gabrosek, Grand Valley State University

Abstract:	An Overview of K--16 Poster and Project Competitions
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Panelists:	<ul style="list-style-type: none"> ■ Carl Lee, Central Michigan University ■ Jerry Moreno, John Carroll University ■ Megan Mocko, University of Florida ■ Neal Rogness, Grand Valley State University 	
3:45 PM	Floor Discussion	
		Add To My Program
22 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-704
Statistical Methods for Networked and Streaming Data - Contributed - Papers		
Section on Physical and Engineering Sciences, Section on Quality and Productivity, IMS		
<i>Chair(s): Lewis Shoemaker, Millersville University of Pennsylvania</i>		
2:05 PM	Statistical Network Comparison — ■ Wei Liu, U.S. Food and Drug Administration; Wolfgang Polonik, University of California, Davis	
2:20 PM	Time Series Synchronization and Detection Using the Hamming Distance — Carolyn B. Morgan, Hampton University; ■ Morris H. Morgan, Hampton University; Clemontina Alexander, Hampton University	
2:35 PM	Anomaly Detection in Internet Traffic Data — ■ Nathaniel Beagley, Pacific Northwest National Laboratory; Paul Whitney, Pacific Northwest National Laboratory; Christian Posse, Pacific Northwest National Laboratory; Amanda White, Pacific Northwest National Laboratory	
2:50 PM	Analyzing Diffusion Tensor Imaging Data — ■ Meagan Clement, Rho, Inc.; David Couper, The University of North Carolina at Chapel Hill; Steve Marron, The University of North Carolina at Chapel Hill; Keith E. Muller, University of Florida; Hongtu Zhu, The University of North Carolina at Chapel Hill	
3:05 PM	Recurrent Event Data Under Competing Risks — ■ Ananda Sen, The University of Michigan	
3:20 PM	Using Labeled Data To Evaluate Change Detectors in a Multivariate Streaming Environment — Werner Stuetzle, University of Washington; Donald B. Percival, University of Washington; ■ Caren Marzban, University of Washington; Albert Kim, University of Washington	
3:35 PM	Floor Discussion	
		Add To My Program
23 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-109
Linear Modeling Methods for Education Statistics and Other Social Statistics - Contributed - Papers		

Social Statistics Section, Section on Survey Research Methods		
<i>Chair(s): Jana Asher, Carnegie Mellon University</i>		
2:05 PM	Effect of Spanish Two-Way Immersion Program on Kindergarten Students' Attitudes: A Study of Treatment and Control Schools — ■ Claudia B. Navarro Villarroel, Iowa State University; Mack Shelley, Iowa State University; Marcia Rosenbusch, Iowa State University; Holly Kaptain, Iowa State University	
2:20 PM	Matching Four Groups of Postsecondary Education Institutions Using Propensity Scores — ■ Amang S. Sukasih, Mathematica Policy Research, Inc.; Kirsten Barrett, Mathematica Policy Research, Inc.; Wendy Mansfield, Mathematica Policy Research, Inc.	
2:35 PM	Methods for Analyzing Agreement on Ordinal Ratings Between Self- and Peer-Evaluations in a Medical School Student Survey — ■ Oliver Cass, Hennepin County Medical Center; Ye-Ying Cen, Hennepin County Medical Center	
2:50 PM	Modeling of Probability of Infant Survival (Survival Rates) — ■ Beau Jones, University of Cenral Arkansas; Evgenia Rubinshtein, University of Central Arkansas	
3:05 PM	Deal with Zero Response When It Is Important Measure but Noisy — ■ Gideon D. Bahn, Loyola University Chicago; Raymond Massenburg, University of Illinois at Chicago	
3:20 PM	An Examination of the Relationships Between University Student Retention and High-School Coursework Among At-Risk Students Using Regression Analysis — ■ Chong Ho Yu, Arizona State University; Angel Jannasch-Pennell, Arizona State University; Samuel Digangi, Arizona State University; Charles Kaprolet, Arizona State University	
3:35 PM	Floor Discussion	
Add To My Program		
24	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-107
Psychometrics and Latent Class Analysis - Contributed - Papers		
Section on Survey Research Methods, Section on Government Statistics		
<i>Chair(s): David Williamson, Centers for Disease Control and Prevention</i>		
2:05 PM	Measuring Nonresponse Bias from Response Propensities Obtained from Respondents' Answers on Their Survey Participation Behavior — ■ William Kalsbeek, University of North Carolina; Robert Agans, The University of North Carolina at Chapel Hill	

2:20 PM	Reducing Error in Psychological Research: Averaging Data To Determine Factor Structure of the QMPR — ■Shea Gibbons, Brigham Young University; Robert Bubb, Brigham Young University; Bruce L. Brown, Brigham Young University
2:35 PM	Comparison of Students' Scores Between Public and Private Schools: Analysis of PISA Data — ■Victoria Landsman, The Hebrew University of Jerusalem ; Danny Pfeffermann, Hebrew University & University of Southampton
2:50 PM	Issues Matter: Social Attributes, Predispositions, and Issues Affect Voting Choice — ■Robert B. Smith, Cytel Inc.
3:05 PM	A Brief History of Survey Classification Error Models — ■Marcus Berzofsky, RTI International; Paul P. Biemer, RTI International/UNC-CH; William Kalsbeek, University of North Carolina
3:20 PM	Floor Discussion

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Sun, 8/3/08, 2:00 PM - 3:50 PM

CC-604

Spatial Variation and Risk Factors for Disease - Contributed - Papers

Section on Statistics in Epidemiology, Section on Statistics and the Environment, Section on Risk Analysis, Biometrics Section

Chair(s): Sowmya R. Rao, MGH Biostatistics Center/The Institute for Health Policy

2:05 PM	Risky Behavior: A Multivariate Statistical Analysis of the United States Based on Health Risk Factors — ■Ashley M. Swandby, Miami University; Christina McIntosh, Miami University; Alicia Smith, Miami University
2:20 PM	Is It Race/Ethnicity, or Is It Socioeconomic Status? Disparities in the Prevalence of Diabetes in the Boston Area Community Health (BACH) Survey — ■Carol L. Link, New England Research Institutes; John B. McKinlay, New England Research Institutes
2:35 PM	Estimation for Age-Period-Cohort Models: With Application to Mesothelioma Data in Alberta — ■Bei Jiang, University of Alberta; K. C. Carriere, University of Alberta
2:50 PM	A Model for Spatio-Temporally Clustered Disease Rates — ■Ronald Gangnon, University of Wisconsin-Madison
3:05 PM	Geocoding Accuracy: Effects of Geographic Features and Spatial Autocorrelation — ■Jie Li, The University of Iowa; Dale Zimmerman, The University of Iowa
3:20 PM	A Comprehensive Multilevel Model of Infant Mortality: A Case Study in Shelby County, Tennessee — ■Sudip Chatterjee, The University of Memphis

3:35 PM	A Generalized Linear Models Approach to Spatial Scan Statistics for Covariate Adjustment — ■Inkyung Jung, The University of Texas Health Science Center at San Antonio	
		Add To My Program
26 ●	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-606
Applications of Survival Time Models - Contributed - Papers		
Section on Statistics in Epidemiology, Section on Quality and Productivity, Biometrics Section		
<i>Chair(s): Rebecca Scherzer, VAMC</i>		
2:05 PM	Joint Modeling of Survival and Multinomial Data with Applications to Prostate Cancer Stage-Grade Specific Incidence — ■Chen Hu, The University of Michigan; Alexander Tsodikov, The University of Michigan	
2:20 PM	Time to Recurrence of Shingles (Herpes Zoster) Infection — ■Peter C. Wollan, Olmsted Medical Center; Patricia Saddier, Merck & Co., Inc.; Barbara P. Yawn, Olmsted Medical Center	
2:35 PM	Assessment Predictive Power of Prognostic Models for Melanoma Survival Data — ■Shouluan Ding, The University of Alabama at Birmingham; Seng-jaw Soong, The University of Alabama at Birmingham	
2:50 PM	Estimating Prostate Cancer Survival Under a Misattribution of the Cause of Death — ■Jinkyung Ha, The University of Michigan; Alexander Tsodikov, The University of Michigan	
3:05 PM	A Nonparametric Approach for Comparing Survival Distributions with Propensity Score Adjustment — ■Nandita Mitra, University of Pennsylvania; Katrina Armstrong, University of Pennsylvania; Glenn Heller, Memorial Sloan-Kettering Cancer Center; Venkatraman E. Seshan, Columbia University	
3:20 PM	Evaluation of Prediction in Models of Composite Endpoints and Their Components — ■Robert Glynn, Brigham & Women's Hospital; Bernard Rosner, Channing Laboratory	
3:35 PM	Floor Discussion	
		Add To My Program
27	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-701
Topics in Statistical Testing - Contributed - Papers		
IMS, Section on Nonparametric Statistics		
<i>Chair(s): Anand N. Vidyashankar, Cornell University</i>		

2:05 PM	Hazard-Based, Data-Driven, Goodness-of-Fit Tests — ■Ma. Zenia Agustin, Southern Illinois University Edwardsville
2:20 PM	EDF Goodness-of-Fit Tests for Testing the Distributional Assumptions in ANOVA — ■Dhanuja Kasturiratna, Northern Kentucky University; Truc T. Nguyen, Bowling Green State University; Arjun K. Gupta, Bowling Green State University
2:35 PM	Goodness-of-Fit Tests for Multivariate Normality — ■Ming Zhou, Iowa State University
2:50 PM	Asymptotic Expansion of the Null Distributions of Test Statistics for Profile Analysis Under General Conditions — ■Solomon W. Harrar, University of Montana; Jin Xu, East China Normal University
3:05 PM	Conditioning on the Tail: A Rationale for Using Traditional Two-Tailed Tests and Confidence Intervals — Paul W. Vos, East Carolina University; ■Suzanne Hudson, East Carolina University
3:20 PM	Moderate Deviations for Two Sample T-Statistics — ■Hongyuan Cao, The University of North Carolina at Chapel Hill
3:35 PM	Concomitants of Order Statistics for Bivariate Pseudo Inverse Rayleigh Distribution — ■Muhammad Q. Shahbaz, COMSATS Institute of Information Technology; Munir Ahmad, NCBA&E

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Sun, 8/3/08, 2:00 PM - 3:50 PM

CC-711

Monte Carlo Methods - Contributed - Papers

Section on Statistical Computing, IMS

Chair(s): Tsung-Chi Cheng, National Cheng-Chi University

2:05 PM	Automated Markov Chain Monte Carlo Based on the Ratio of Uniforms Transformation — ■Chris Groendyke, The Pennsylvania State University
2:20 PM	The Monte Carlo Fisher Scoring Method — ■Yong Wang, The University of Auckland
2:35 PM	On the Assessment of Monte Carlo Error in Statistical Experiments — ■Elizabeth Koehler, Vanderbilt University; Sebastien Haneuse, Group Health Center for Health Studies; Elizabeth R. Brown, University of Washington
2:50 PM	Application of a New Multivariate Resampling Method To Improve Statistical Performance of Multiple Regression with Small Samples — ■Haiyan Bai, University of Central Florida; Wei Pan, University of Cincinnati
3:05 PM	Phylogenetic Consensus Tree Construction Using Stochastic Approximation Monte Carlo — ■Sooyoung Cheon, University of Virginia

3:20 PM	Public Hurricane Loss Evaluation Models: Predicting Losses of Residential Structures in the State of Florida — Shahid Hamid, Florida International University; ■B.M. Golam Kibria, Florida International University ; Sneh Gulati, Florida International University; Mark Powell, National Oceanic and Atmospheric Administration; Bachir Annane, CIMAS, Rosenstiel School/University of Miami; Steve Cocke, Florida State University; Jean-Paul Pinelli, Florida Institute of Technology; Shu-Ching Chen, Florida International University
3:35 PM	Floor Discussion
Add To My Program	
29	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-111
Applications in Health Promotion - Contributed - Papers	
Section on Health Policy Statistics, Section on Statistics in Epidemiology	
<i>Chair(s): Bob Gerzoff, Centers for Disease Control and Prevention</i>	
2:05 PM	Multilevel Analysis for Child Nutrition and Health: Pick a Better Snack in Iowa — ■Mack Shelley, Iowa State University; Doris Montgomery, Iowa Department of Public Health; Xia Chen, Iowa Department of Public Health
2:20 PM	Simpson's Paradox in Real Life: The Center for Medicare Services Composite Quality Score — ■Carlos F. Alzola, Data Insights; Sam Ogunbo, Maryland Hospital Association; Nikolas Matthes, Maryland Hospital Association
2:35 PM	Analysis of Health and Safety Data: Near Misses and Injury-Illness Rates — ■Rama Sastry, U.S. Department of Energy
2:50 PM	Evaluating the Sizes of Differences Between Group Rates in Settings of Different Overall Prevalence — ■James P. Scanlan, Attorney at Law
3:05 PM	Analysis of National Survey Data on Public Concerns About Avian Influenza for Preparedness Planning — ■William E. Pollard, Centers for Disease Control and Prevention
3:20 PM	Patient Teenagers: Virginity Pledges as a Marker for Lower Sexual Activity — ■Janet Rosenbaum, University of Illinois at Chicago
3:35 PM	Estimation of Net Present Value of Total Health Care Costs — ■Lin Liu, Eli Lilly and Company; Joseph C. Gardiner, Michigan State University; Zhehui Luo, RTI International; Charles Given, Michigan State University
Add To My Program	
30 ● ▲	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-112
Bayesian Models and Methods for Spatial and Temporal Data - Contributed - Papers	

Section on Bayesian Statistical Science, Section on Statistical Computing		
<i>Chair(s): James G. Scott, Duke University</i>		
2:05 PM	Change of Spatiotemporal Scale in Dynamic Models — ■Yongku Kim, Statistical and Applied Mathematical Sciences Institute; Mark Berliner, The Ohio State University	
2:20 PM	A Stochastic Neighborhood Conditional Auto-Regressive Model for Spatial Data — ■Gentry White, North Carolina State University; Sujit Ghosh, North Carolina State University	
2:35 PM	Combining Complex Climate Models with Massive Observational Data for Predicting Climate Change — ■K. Sham Bhat, The Pennsylvania State University; Murali Haran, The Pennsylvania State University; Klaus Keller, The Pennsylvania State University; Joshua Dorin, The Pennsylvania State University	
2:50 PM	Zero-Inflated Bayesian Spatial Models with Repeated Measurements — ■Jing Zhang, University of Missouri-Columbia; Chong Z. He, University of Missouri-Columbia	
3:05 PM	Gaussian Multiscale Spatio-Temporal Models — ■Marco A.R. Ferreira, University of Missouri-Columbia; Scott Holan, University of Missouri-Columbia; Adelmo Bertolde, Federal University of Espirito Santo	
3:20 PM	Bayesian Estimation of GARCH Models — ■Daniel Wan Hussin, University Bamberg	
3:35 PM	A Bayesian Model for Multivariate Functional Data — ■Ori Rosen, The University of Texas at El Paso; Wesley Thompson, University of Pittsburgh	
Add To My Program		
31	Sun, 8/3/08, 2:00 PM - 3:50 PM	CC-605
Statistical Methods for Clinical Trials I - Contributed - Papers		
Biometrics Section, Biopharmaceutical Section		
<i>Chair(s): Brian Reich, North Carolina State University</i>		
2:05 PM	Approaches to Handling Data When Trial Conduct Deviates from the Prespecified Simon's Two-Stage Design — ■Yujun Wu, sanofi-aventis; Weichung Shih, University of Medicine and Dentistry of New Jersey	
2:20 PM	Approximately Optimal Continuous Stopping Boundaries in a One-Sided Standard Sequential Test — ■Lan Nygren, Rider University	
2:35 PM	Sample Size Calculations in Logistic Regression: Re-Revisited — ■Marepalli B. Rao, University of Cincinnati; Mohammed K. Alam, Forest Research Institute	

2:50 PM	Comparison of Power Between Randomized Discontinuation Design (RDD) and Upfront Randomization Design (RD) on Progression-Free Survival — ■Pingfu Fu, Case Western Reserve University; Afshin Dowlati, Case Western Reserve University; Mark Schluchter, Case Western Reserve University
3:05 PM	Semiparametric Regression Analysis for Short-Term and Long-Term Covariate Effect with Survival Data — ■Rajeshwari Sundaram, National Institutes of Health; Song Yang, National Heart, Lung, and Blood Institute
3:20 PM	Sample Size Calculation for Selecting a Predictive Marker for a Survival Endpoint — ■Camelia Sima, Memorial Sloan-Kettering Cancer Center; Alexia Iasonos, Memorial Sloan-Kettering Cancer Center; Mithat Gonen, Memorial Sloan-Kettering Cancer Center
3:35 PM	Multivariate Control Chart for Environmental Monitoring — ■Harry Yang, MedImmune, Inc.; Lanju Zhang, MedImmune, Inc.; Iksung Cho, MedImmune, Inc.

[Add To My Program](#)

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Sun, 8/3/08, 2:00 PM - 3:50 PM

CC-608

Methods in Statistical Genomics - Contributed - Papers

ENAR, WNAR, Biometrics Section

Chair(s): Kellie Archer, Virginia Commonwealth University

2:05 PM	Incorporating Gene Networks into Statistical Tests for Genomic Data via a Spatially Correlated Mixture Model — ■Peng Wei, The University of Minnesota; Wei Pan, The University of Minnesota
2:20 PM	Reassessing Shrinkage Estimation in Microarray Experiments Having Within-Array Replicate Spots — Lan Xiao, Michigan State University; ■Robert Tempelman, Michigan State University
2:35 PM	Bayesian Approach for the Identification of DNA Copy Number Changes in aCGH Data — ■Jie Chen, University of Missouri-Kansas City; Ayten Yigiter, University of Missouri-Kansas City; Kuang-Chao Chang, Fu Jen Catholic University
2:50 PM	A Run-Based Procedure To Identify Time-Lagged Gene Clusters in Microarray Experiments — ■Sunil Mathur, University of Mississippi
3:05 PM	A Flexible Semiparametric Test To Detect Associations Between Quantitative Traits and Candidate Genes in Structured Populations with Censored Data — ■Meijuan Li, The University of Minnesota

3:20 PM	Testing for Gene-Environment Interaction: A New Modeling Approach — ■ Bin Huang, Cincinnati Children's Hospital Medical Center; Altaye Mekibib, Cincinnati Children's Hospital Medical Center; Siva Sivaganisan, University Cincinnati
3:35 PM	Floor Discussion
Add To My Program	
33	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-710
Likelihood-Based Methodology - Contributed - Papers	
Biometrics Section, Section on Nonparametric Statistics, IMS	
<i>Chair(s): David Todem, Michigan State University</i>	
2:05 PM	Analyzing Incomplete Data Subject to a Threshold Using Empirical Likelihood Methods: An Application to a Pneumonia Risk Study in an ICU Setting — ■ Jihneeh Yu, University at Buffalo; Albert Vexler, National Institute of Child Health and Human Development; Lili Tian, University at Buffalo
2:20 PM	Empirical Likelihood Inference for Censored Median Regression Model via Nonparametric Kernel Estimation — ■ Yichuan Zhao, Georgia State University; Feiming Chen, Spectra Marketing Systems
2:35 PM	A Simulation Study Comparing Likelihood and Nonlikelihood Approaches in Analyzing Overdispersed Count Data — ■ Stanley Xu, Kaiser Permanente Colorado; Gary K. Grunwald, University of Colorado; Richard Jones, University of Colorado
2:50 PM	Empirical Likelihood Test for Equality of Means of Populations Containing Many Zeros — ■ Le Kang, State University of New York at Buffalo; Albert Vexler, The State University of New York at Buffalo; Lili Tian, University at Buffalo; Germaine B. Louis, National Institute of Child Health and Human Development
3:05 PM	Summarizing Likelihood Functions as Functions — ■ Michael B. Brimacombe, New Jersey Medical School
3:20 PM	Conventional Inference via a Holistic Approach — ■ Michael P. Jones, Macquarie University
3:35 PM	Testing the Homogeneity of the Means of Several Groups of Count Data in the Presence of Unequal Dispersions — ■ Krishna Saha, Central Connecticut State University
Add To My Program	
34  	Sun, 8/3/08, 2:00 PM - 3:50 PM CC-610-612

Issues Related to the Design of Clinical Trials - Contributed - Papers		
Biopharmaceutical Section, Biometrics Section		
<i>Chair(s): Feng (Faith) Gao, GlaxoSmithKline</i>		
2:05 PM	Optimal Ray Design for Drug Combinations — ■ Yuehui Wu, GlaxoSmithKline; John J. Peterson, GlaxoSmithKline Pharmaceuticals	
2:20 PM	Optimal Designs for Toxicity Function with a Downturn — ■ Seung Won Hyun, University of Missouri-Columbia; Nancy Flournoy, University of Missouri-Columbia	
2:35 PM	Orthogonal Experimental Designs Can Disentangle Confounding in Database Studies — ■ Charlie H. Goldsmith, McMaster University; Lehana Thabane, McMaster University; Gary Foster, St. Joseph's Healthcare Hamilton; Eleanor M. Pullenayegum, St. Joseph's Healthcare	
2:50 PM	Optimization of Design Features in Clinical Trials with a Sensitive Subgroup — ■ Yan D. Zhao, Eli Lilly and Company; Alex Dmitrienko, Eli Lilly and Company; Roy Tamura, Eli Lilly and Company	
3:05 PM	Strengthening the Understanding of the Relationship Between Survival Designs and Test Statistics — ■ Jitendra Ganju, Amgen, Inc; Guoguang (Julie) Ma, Amgen, Inc	
3:20 PM	Design and Interim Monitoring of a St. Jude Clinical Trial Based on the Gompertz Distribution — ■ Arzu Onar, St. Jude Children's Research Hospital; James M. Boyett, St. Jude Children's Research Hospital; Robert P. Sanders, St. Jude Children's Research Hospital; Amar Gajjar, St. Jude Children's Research Hospital	
3:35 PM	Noninferiority Trial Designs for Binomial Rate Differences and Odds Ratios — ■ Joan Hilton, University of California, San Francisco	
Add To My Program		
	Sun, 8/3/08, 4:00 PM - 5:00 PM	HY-Mineral Hall A
CDC/ATSDR Statistical Advisory Group Business Meeting (closed)		
CDC/ATSDR Statistical Advisory Group		
<i>Organizer(s): Henry Rolka, Centers for Disease Control and Prevention</i>		
Add To My Program		
	Sun, 8/3/08, 4:00 PM - 6:00 PM	HY-Mineral Hall B-C
Career Development Seminar: Educating Our Customers---What Every Statistician Should Know About Teaching Statistics to Nonstatisticians		

Committee on Career Development		
<i>Chair(s): Janet Myhre, Mathematical Analysis Research Corp.</i>		
<i>Instructor(s): Richard D. De Veaux, Williams College</i>		
		Add To My Program
	Sun, 8/3/08, 4:00 PM - 6:00 PM	HY-Agate B
2008--2009 Committee Chairs Meeting		
Committee on Committees		
<i>Chair(s): Susan Devlin, The Artemis Group</i>		
		Add To My Program
35	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-607
Introductory Overview Lecture: Interdisciplinary Communications: Functional Data Analysis and Differential Equation Models		
ASA, ENAR, IMS, SSC, WNAR		
<i>Organizer(s): Hulin Wu, University of Rochester</i>		
<i>Chair(s): Giles Hooker, Cornell University</i>		
4:05 PM	From Functional Data Analysis to Differential Equation Models, with Applications — ■ James O. Ramsay, McGill University	
4:55 PM	Statistical Methods for Inverse Problems of Differential Equations, with Biomedical Applications — ■ Hulin Wu, University of Rochester	
5:45 PM	Floor Discussion	
		Add To My Program
36 ●	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-603
Analyzing Genetic Data from Health Surveys: Opportunities and Challenges - Invited - Papers		
ENAR, Biopharmaceutical Section, WNAR, Section on Health Policy Statistics, Section on Statistics in Epidemiology, Biometrics Section		
<i>Organizer(s): Hormuzd A. Katki, National Cancer Institute</i>		
<i>Chair(s): Barry I. Graubard, National Cancer Institute</i>		
4:05 PM	Genetic Research in the National Health and Nutrition Examination Surveys — ■ Christopher Sanders, National Center for Health Statistics	

4:30 PM	Estimating Family Relationships Using DNA Fingerprints Within the NHANES-III Household Survey — ■ Hormuzd A. Katki, National Cancer Institute
4:55 PM	Testing for Hardy-Weinberg Equilibrium and for Disequilibrium Across Population Strata in Complex Survey Sample — ■ Yan Li, National Cancer Institute
5:20 PM	Disc: Bruce Weir, University of Washington
5:40 PM	Floor Discussion

[Add To My Program](#)

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-102

Spatio-Temporal Dynamic Models - Invited - Papers

Section on Bayesian Statistical Science, Section on Statisticians in Defense and National Security, Section on Physical and Engineering Sciences, Section on Statistics and the Environment

Organizer(s): Christopher Wikle, University of Missouri-Columbia

Chair(s): Christopher Wikle, University of Missouri-Columbia

4:05 PM	Space-Time Random-Effects Models — ■ Noel Cressie, The Ohio State University; Lei (Emily) Kang, The Ohio State University
4:35 PM	Combining Computer Model Output and Observational Data: Forecasting Climatic and Weather-Related Processes — ■ Mark Berliner, The Ohio State University
5:05 PM	Tracking Space Junk — ■ Dave Higdon, Los Alamos National Laboratory; Earl Lawrence, Los Alamos National Laboratory
5:35 PM	Floor Discussion

[Add To My Program](#)

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-110

Semiparametric Modeling of Nonlinear and Nonstationary Time Series - Invited - Papers

Business and Economics Statistics Section, IMS

Organizer(s): Lijian Yang, Michigan State University

Chair(s): Lijian Yang, Michigan State University

4:05 PM	Consistent Nonparametric Tests on Parametric Smooth Coefficient Models — ■ Yiguo Sun, University of Guelph; Zongwu Cai, The University of North Carolina, Charlotte; Qi Li, Texas A&M University
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4:35 PM	Spline-Backfitted Kernel Smoothing of Additive Coefficient Model — ■Rong Liu, Michigan State University; Lijian Yang, Michigan State University
5:05 PM	Empirical Likelihood-Based Inference for Nonlinear Diffusions — ■Ke-Li Xu, University of Alberta
5:35 PM	Floor Discussion
Add To My Program	
39 ●	Sun, 8/3/08, 4:00 PM - 5:50 PM CC-101
Post-Imputation Variance Estimation - Invited - Papers	
Section on Survey Research Methods, Section on Nonparametric Statistics, Section on Government Statistics, Social Statistics Section	
<i>Organizer(s): David R. Judkins, Westat, Inc.</i>	
<i>Chair(s): Tom Belin, University of California, Los Angeles</i>	
4:05 PM	Multiple Semiparametric Imputation — ■David R. Judkins, Westat, Inc.; Andrea R. Piesse, Westat, Inc.; Tom Krenzke, Westat, Inc.
4:30 PM	Multiply Imputing Potential Outcomes To Estimate Individual Causal Effects — ■Susanne Rässler, Otto-Friedrich University Bamberg; Donald B. Rubin, Harvard University
4:55 PM	Fractional Imputation Using a Parametric Imputation Model — ■Jae-kwang Kim, Yonsei University; Wayne Fuller, Iowa State University
5:20 PM	Disc: Joseph L. Schafer, The Pennsylvania State University
5:40 PM	Floor Discussion
Add To My Program	
40 ● ▲	Sun, 8/3/08, 4:00 PM - 5:50 PM CC-702
Statistical Methods for Multivariate Dental Data - Invited - Papers	
Biometrics Section, Biopharmaceutical Section	
<i>Organizer(s): Thomas M. Braun, The University of Michigan</i>	
<i>Chair(s): Thomas M. Braun, The University of Michigan</i>	
4:05 PM	Bayesian Modeling of Multivariate Spatial Binary Data: Applications to Dental Epidemiology — ■Brian Reich, North Carolina State University; Dipankar Bandyopadhyay, Medical University of South Carolina; Elizabeth Slate, Medical University of South Carolina

4:30 PM	Bayesian Generalized Latent Variable Models for Spatial Correlated Binary Data with Applications to Dental Outcomes — ■David Todem, Michigan State University; Yanwei Zhang, Michigan State University; KyungMann Kim, University of Wisconsin-Madison; Emmanuel Lesaffre, Erasmus University
4:55 PM	Analysis of Nested Observations Over Teeth and Time: A Combined Estimating Equations Approach — ■Julie A. Stoner, University of Oklahoma Health Sciences Center; Brian G. Leroux, University of Washington
5:20 PM	Flexible Accelerated Failure Time Frailty Models for Multivariate Interval-Censored Data with an Application in Caries Research — ■Emmanuel Lesaffre, Erasmus University; Arnost Komarek, Charles University in Prague
5:45 PM	Floor Discussion

		Add To My Program
41  	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-709

Communicating with Nonstatisticians - Invited - Papers

Section on Quality and Productivity, Section on Physical and Engineering Sciences, Section on Bayesian Statistical Science, Social Statistics Section, Section on Government Statistics, Section on Health Policy Statistics

Organizer(s): Sarah Boslaugh, BJC HealthCare

Chair(s): Sarah Boslaugh, BJC HealthCare

4:05 PM	Statistics and Due Process: Two Statistically Significant Issues in Law — ■Mark G. Haug, The University of Kansas School of Business
4:35 PM	Providing Biostatistical Support to an Understaffed and Underfunded Region — ■Liam O'Brien, Colby College
5:05 PM	Communicating Statistics to Engineers and Managers — ■Gerald Hahn, GE Corporate Research and Development (retired)
5:35 PM	Floor Discussion

		Add To My Program
42  	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-605

Visualizing Large Data Sets - Invited - Papers

Section on Statistical Graphics, Section on Nonparametric Statistics, Section on Statisticians in Defense and National Security, Section on Physical and Engineering Sciences, Section on Government Statistics

Organizer(s): Heike Hofmann, Iowa State University

<i>Chair(s): Heike Hofmann, Iowa State University</i>		
4:05 PM	Visualization and Analysis of Streaming Data — ■Simon Urbanek, AT&T Labs - Research	
4:35 PM	Ensembles of Models for Understanding Large Data — ■Hadley Wickham, Iowa State University	
5:05 PM	Scagnostics and Related Techniques for Automodeling-Based Visualization — Leland Wilkinson, Northwestern University; ■Graham Wills, SPSS, Inc	
5:35 PM	Floor Discussion	
		Add To My Program
43  	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-610-612
New Statistical Methods for Genomewide Association Studies - Invited - Papers		
IMS, Biopharmaceutical Section, WNAR, Section on Statistics in Epidemiology		
<i>Organizer(s): Danyu Lin, The University of North Carolina at Chapel Hill</i>		
<i>Chair(s): Danyu Lin, The University of North Carolina at Chapel Hill</i>		
4:05 PM	Opportunities and Challenges of Whole-Genome Association Studies — ■David Siegmund, Stanford University	
4:35 PM	Extensions of Conditional Likelihood Bias Adjustment for Disease Association Risk Estimates in Whole-Genome Scans — ■Fred Wright, The University of North Carolina at Chapel Hill; Arpita Ghosh, The University of North Carolina at Chapel Hill; Fei Zou, The University of North Carolina at Chapel Hill	
5:05 PM	On the Analysis of Copy-Number Variations in Genome-Wide Association Studies: A Translation of the Family-Based Association Test — ■Christoph Lange, Harvard School of Public Health	
5:35 PM	Floor Discussion	
		Add To My Program
44	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-703
Memorial Session for Randy Sitter - Invited - Papers		
Memorial, Section on Nonparametric Statistics, Section on Survey Research Methods, Section on Physical and Engineering Sciences, Section on Quality and Productivity, Committee on ASA Archives and Historical Materials		
<i>Organizer(s): Derek Bingham, Simon Fraser University</i>		
<i>Chair(s): Derek Bingham, Simon Fraser University</i>		

4:05 PM	Randy Sitter's Contributions to Resampling Methods in Sample Surveys — ■ J. N. K. Rao, Carleton University
4:35 PM	A Statistical Approach to Quantifying the Elastic Deformation of Nanomaterials — ■ C.F. Jeff Wu, Georgia Institute of Technology
5:05 PM	Using Empirical Likelihood Methods To Obtain Range Restricted — ■ Jiahua Chen, The University of British Columbia; J. N. K. Rao, Carleton University; Randy Sitter, Simon Fraser University
5:35 PM	Floor Discussion

[Add To My Program](#)

45 ▲

Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-108

Training Community Collaborators To Understand and Effectively Use Health-Related Data - Invited - Panel

Committee on Outreach Education, Section on Statistics in Epidemiology, Section on Teaching Statistics in the Health Sciences

Organizer(s): Wendy Martinez, Office of Naval Research

Chair(s): Jodi Lapidus, Oregon Health & Science University

Abstract:

[Training Community Collaborators To Understand and Effectively Use Health-Related Data](#)

Panelists:

■ Francine Romero, Southwest Tribal Epidemiology Center
 ■ Kapuaola Gellert, Na Pu'uwai Native Hawaiian Health Care System
 ■ Walter T. Ambrosius, Wake Forest University School of Medicine

5:35 PM

Floor Discussion

[Add To My Program](#)

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-103

The Impact of AP Statistics on Our Profession: Past, Present, and Future - Invited - Panel

Mu Sigma Rho, Section on Statistical Education

Organizer(s): Christine Franklin, The University of Georgia

Chair(s): Brad Hartlaub, Kenyon College

Abstract:

[The Impact of AP Statistics on Our Profession: Past, Present, and Future](#)

Panelists:

■ Christine Franklin, The University of Georgia
 ■ Richard Scheaffer, University of Florida
 ■ Roxy Peck, California Polytechnic State University
 ■ Katherine Tranbarger, Amherst College
 ■ David Thiel, Clark County School District

5:45 PM	Floor Discussion	
Add To My Program		
47  	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-202
Clustering in Marketing Research: International Experience - Topic Contributed - Papers		
Section on Statistics and Marketing , Social Statistics Section		
<i>Organizer(s): Stan Lipovetsky, GfK Custom Research North America</i>		
<i>Chair(s): Derek R. Allen, GfK Custom Research North America</i>		
4:05 PM	Robust Model-Based Method for Cluster Analysis: Theory and Practice —  Ewa M. Nowakowska, GfK Polonia; Agnieszka Fronczyk, GfK Polonia; Krzysztof Z. Puszczak, GfK Polonia	
4:25 PM	A New Approach for International Market Segmentation —  Shon Magnan, GfK Custom Research North America	
4:45 PM	Outlier Detection in Segmentation Studies —  Norbert Wirth, Advanced Analytics Europe, MarketTools	
5:05 PM	Customer Profiling in Mixed Models: Data Modeling with Cluster Analysis Results —  Erin McClintic Tanenbaum, Claritas, A Nielsen Company	
5:25 PM	Bayesian Networks in Segmentation for Marketing Research —  Benoit Hubert, GfK	
5:45 PM	Floor Discussion	
Add To My Program		
48  	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-608
Recent Developments in Method and Application in High-Dimensional 'Omics' Data - Topic Contributed - Papers		
Committee on Applied Statisticians		
<i>Organizer(s): Lei Zhu, GlaxoSmithKline</i>		
<i>Chair(s): Huixia Wang, North Carolina State University</i>		
4:05 PM	Shrinkage Approach to Gene-Set Analysis: SAGA —  Daniel C. Parks, GlaxoSmithKline R&D; Xiwu Lin, GlaxoSmithKline R&D; Kwan Lee, GlaxoSmithKline	
4:25 PM	Estimation Equation Based Causality Analysis with Application to Microarray Time Series Data —  Jianhua Hu, The University of Texas M.D. Anderson Cancer Center; Feifang Hu, University of Virginia	

4:45 PM	Non-Negative Matrix Factorization of Microarray Data — ■Katja S. Remlinger, GlaxoSmithKline R&D; S. Stanley Young, National Institute of Statistical Sciences; Paul Fogel, Consultant; Kejun (Jack) Liu, OmicSoft
5:05 PM	Segmentation of Treatment Effect via Analyzing Genetic Marker Profiles — ■Peter Hu, Merck & Co., Inc.
5:25 PM	Analysis of Multiple Cancer GEO Microarray Data Sets — ■George Luta, Georgetown University; Paul Fogel, Consultant; Kejun (Jack) Liu, OmicSoft; S. Stanley Young, National Institute of Statistical Sciences
5:45 PM	Floor Discussion

[Add To My Program](#)

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-604

Statistics in Ophthalmology Clinical Trials - Topic Contributed - Papers

Biopharmaceutical Section, WNAR, Biometrics Section

Organizer(s): TC Lu Hollington, U.S. Food and Drug Administration, Philip T. Lavin, Averion Inc.

Chair(s): Kyunghie K. Song, U.S. Food and Drug Administration

4:05 PM	Are Visual Acuity Measurements Independent of Test Distance? Statistical Analysis in Search for an Answer — ■Li Ming Dong, State University of New York at Stony Brook
4:25 PM	Statistical Analysis of Visual Field and Visual Field Loss Data in Ophthalmic Research — ■Fei Yu, University of California, Los Angeles; Anne L. Coleman, University of California, Los Angeles
4:45 PM	Accounting for Correlation in Regression Analyses of Longitudinal Data from Paired Eyes — ■Gui-shuang Ying, University of Pennsylvania; Maureen Maguire, University of Pennsylvania
5:05 PM	Statistical Considerations in Ophthalmic Device Trials — ■Hollington T.C. Lu, U.S. Food and Drug Administration
5:25 PM	Disc: LuoHua Jiang, University of Colorado Health Center
5:45 PM	Floor Discussion

[Add To My Program](#)

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-111

Statistical Methods in Public Health: Applications, Research, and Education - Topic Contributed - Papers

Section on Health Policy Statistics, Section on Government Statistics, Section on Survey Research Methods, Social Statistics Section

Organizer(s): Karen Kafadar, University of Colorado at Denver and Health Sciences Center

Chair(s): Kathe Bjork, University of Colorado at Denver and Health Sciences Center

4:05 PM	Evaluating the Uncertainty in HIV/AIDS Infection Models — ■Huaiyu Ma, GE Global Research; Roger W. Hoerl, GE Global Research
4:25 PM	Recent Background and Influences on the Direction of Research in Public Health Biosurveillance — ■Henry Rolka, Centers for Disease Control and Prevention
4:45 PM	Statistical Considerations in Large-Scale Screening Programs: Impacts on the Public — ■Sonya Heltsh, Rocky Mountain Denver Poison Center; Karen Kafadar, University of Colorado at Denver and Health Sciences Center; Philip Prorok, National Cancer Institute
5:05 PM	Assessing the Effects of Air Pollution on Human Health — ■Rebecca Klemm, Klemm Analysis, Inc.; Donna Stroup, Data for Solutions, Inc.
5:25 PM	Disc: Denise Roe, The University of Arizona
5:45 PM	Floor Discussion

[Add To My Program](#)

51 Sun, 8/3/08, 4:00 PM - 5:50 PM **CC-104**

Semiparametric Bayesian Methods - Topic Contributed - Papers

Section on Bayesian Statistical Science, Section on Nonparametric Statistics

Organizer(s): Sanjib Basu, Northern Illinois University

Chair(s): Feng Liang, University of Illinois at Urbana-Champaign

4:05 PM	Toward Fully Nonparametric Bayesian Regression — ■Siddhartha Chib, Washington University in St. Louis; Edward Greenberg, Washington University in St. Louis
4:25 PM	Bayesian Estimation of ROC Curve Based on Ranks — ■Subhahsis Ghoshal, North Carolina State University; Jiezhun Gu, Duke Clinical Research Institute
4:45 PM	Modeling Heteroscedasticity in the Single-Index Model with the Dirichlet Process — ■George Karabatsos, University of Illinois at Chicago
5:05 PM	Modeling with Double Dirichlet Process Mixtures — ■Sanjib Basu, Northern Illinois University; Siddhartha Chib, Washington University in St. Louis
5:25 PM	Parametric and Semiparametric Hypotheses in the Linear Model — ■Steven N. MacEachern, The Ohio State University; Subharup Guha, University of Missouri-Columbia

5:45 PM	Floor Discussion	
		Add To My Program
52	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-107
Current Statistical Topics Involving Individual Income Tax Statistics - Topic Contributed - Papers		
Section on Government Statistics , Section on Survey Research Methods, Section on Quality and Productivity, Social Statistics Section		
<i>Organizer(s): Michael E. Weber, Statistics of Income, IRS</i>		
<i>Chair(s): Barry Johnson, Statistics of Income, IRS</i>		
4:05 PM	Statistics from Individual Income Tax Returns: Populations, Samples, and Processing of Individual Income Tax Returns at Statistics of Income — ■ Michael E. Weber, Statistics of Income, IRS; David P. Paris, Statistics of Income, IRS; Peter J. Sailer, Consultant	
4:25 PM	SOI/IRS Sales of Capital Assets Sample Redesign for Tax Year 2007 — Yan K. Liu, Statistics of Income, IRS; ■ Michael Strudler, Statistics of Income, IRS; Jana Scali, Statistics of Income, IRS; Janette Wilson, Statistics of Income, IRS	
4:45 PM	Attrition in the Tax Years 1999--2005 Individual Income Tax Return Panel — ■ Victoria Bryant, Statistics of Income, IRS	
5:05 PM	Methodological Limitations in Producing Subnational Tabulations of Unincorporated Business Activity That Partnerships and Sole Proprietorships Report on Returns — ■ Joseph Koshansky, Internal Revenue Service	
5:25 PM	Disc: Robin Fisher, U.S. Department of Treasury	
5:45 PM	Floor Discussion	
		Add To My Program
53	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-710
Recent Methodological Developments in Analysis of Large Data Sets - Topic Contributed - Papers		
Section on Nonparametric Statistics , Section on Physical and Engineering Sciences, Section on Statistical Computing		
<i>Organizer(s): Jae Keun Yoo, University of Louisville, Lingsong Zhang, Harvard University</i>		
<i>Chair(s): Jae Keun Yoo, University of Louisville</i>		
4:05 PM	Model-Free Variable Selection via Adaptive LASSO — ■ Liqiang Ni, University of Central Florida	

4:25 PM	Central Mean Subspace in Time Series — ■Jin-Hong Park, College of Charleston
4:45 PM	On Parametric and Semiparametric Approaches to Differential Gene Expression Detection and Sample Size Calculation for Microarray Study — ■Baolin Wu, The University of Minnesota; Dan Nettleton, Iowa State University
5:05 PM	A Nonparametric Significance Test of No Trend for Functional Data — Jeongyoun Ahn, The University of Georgia; ■Cheolwoo Park, The University of Georgia; Woncheol Jang, The University of Georgia
5:25 PM	Sparse Distance-Weighted Discrimination — ■Lingsong Zhang, Harvard University; Xihong Lin, Harvard University
5:45 PM	Floor Discussion
Add To My Program	
54	Sun, 8/3/08, 4:00 PM - 5:50 PM
CC-708	
Multivariate Outlier Detection: Applications and Methodology - Topic Contributed - Papers	
Section on Statistical Computing, Section on Physical and Engineering Sciences	
<i>Organizer(s): Karen Kafadar, University of Colorado at Denver and Health Sciences Center</i>	
<i>Chair(s): Michael W. Trosset, Indiana University</i>	
4:05 PM	Multivariate Outlier Detection by Partial Mixture Fits — ■David W. Scott, Rice University
4:25 PM	Statistical Methods for Detecting Computer Attacks from Streaming Internet Data — ■Ginger Davis, University of Virginia ; Karen Kafadar, University of Colorado at Denver and Health Sciences Center; David Marchette, Naval Surface Warfare Center
4:45 PM	High-Energy Physics: Massive Data Analysis in Action — ■Karen Kafadar, University of Colorado at Denver and Health Sciences Center; Robert Jacobsen, University of California, Berkeley
5:05 PM	Multivariate Analysis in Planetary Science: Understanding the Atmospheres of Jupiter and Saturn — ■Amy Braverman, Jet Propulsion Laboratory; Irina A. Kukuyeva, University of California, Los Angeles; Padma Yanamandra-Fisher, Jet Propulsion Laboratory; Jan Deleeuw, University of California, Los Angeles; Amy Simon-Miller, NASA Goddard Space Flight Center
5:25 PM	Monitoring the Golden Gate Bridge Using Wireless Sensor Networks — ■Guilherme V. Rocha, University of California, Berkeley
5:45 PM	Floor Discussion

		Add To My Program
55  	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-106
Clickers in the Statistics Classroom - Topic Contributed - Panel		
Section on Statistical Education , Section on Teaching Statistics in the Health Sciences		
<i>Organizer(s): Herle McGowan, The University of Michigan</i>		
<i>Chair(s): Brenda Gunderson, The University of Michigan</i>		
Abstract:	Clickers in the Statistics Classroom	
Panelists:	<ul style="list-style-type: none">  Mark Berenson, Montclair State University  Deborah V. Dawson, The University of Iowa  Herle McGowan, The University of Michigan  Robert Terry, University of Oklahoma 	
5:45 PM	Floor Discussion	
		Add To My Program
56 	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-705
Improving Survey Quality Reinterviews, Paradata, and Comprehension - Contributed - Papers		
Section on Survey Research Methods , Section on Government Statistics, Section on Quality and Productivity		
<i>Chair(s): David Morganstein, Westat, Inc.</i>		
4:05 PM	Reinterview Revisited —  Dhirendra N. Ghosh, Synectics for Management Decisions Inc.	
4:20 PM	Sample Designs for Evaluating the Quality of Data Collection —  Cherie Alf, Iowa State University; Sarah Nusser, Iowa State University; Veronica Lessard, U.S. Department of Agriculture	
4:35 PM	Simulation Modeling of Field Operations in Surveys —  Bor-Chung Chen, Federal Railroad Administration	
4:50 PM	Using Paradata to Actively Manage Data Collection —  François Laflamme, Statistics Canada; Mike Maydan, Statistics Canada; Andrew Miller, Statistics Canada	
5:05 PM	A Microlevel Latent Class Model for Measurement Error in the Consumer Expenditure Interview Survey —  Brian J. Meekins, Bureau of Labor Statistics; Clyde Tucker, Bureau of Labor Statistics; Paul P. Biemer, RTI International/UNC-CH	
5:20 PM	How To Prioritize Recontacts —  Dan Hedlin, Statistics Sweden	

5:35 PM	Floor Discussion	
		Add To My Program
57	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-105
Sample Redesign - Contributed - Papers		
Section on Survey Research Methods, Social Statistics Section, Section on Government Statistics		
<i>Chair(s): Trena M. Ezzati-Rice, Agency for Healthcare Research and Quality</i>		
4:05 PM	Sample Refreshment, Optimal Allocation, and Other Issues in the Redesign of Panel Surveys — ■ Paul P. Biemer, RTI International/UNC-CH; Margaret Byron, Rho, Inc.; Sara Wheelless, RTI International; Celia Eicheldinger, RTI International	
4:20 PM	American Community Survey (ACS) Sample Design Issues and Challenges — ■ Steven Hefter, U.S. Census Bureau	
4:35 PM	Redesigning the American Community Survey (ACS): Computer-Assisted Personal Interview Sample — ■ Edward C. Castro Jr., U.S. Census Bureau; Steven Hefter, U.S. Census Bureau	
4:50 PM	Sample Allocation and Relative Standard Error Calculation for National Hospital Discharge Survey Redesign — ■ Iris Shimizu, National Center for Health Statistics; Rong Cai, National Center for Health Statistics	
5:05 PM	Assessing Oversampling of Older Persons in a National Health Survey — ■ Karen E. Davis, National Center for Health Statistics; Chris Moriarity, National Center for Health Statistics	
5:20 PM	Implementation of Controlled Selection in the National Compensation Survey Redesign — ■ Lawrence R. Ernst, Bureau of Labor Statistics; Christopher J. Guciardo, Bureau of Labor Statistics; Yoel Izsak, National Agricultural Statistics Service; Jonathan J. Lisic, Bureau of Labor Statistics ; Chester H. Ponikowski, Bureau of Labor Statistics	
5:35 PM	Floor Discussion	
		Add To My Program
58 ●	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-606
Models for Longitudinal Data - Contributed - Papers		
Section on Statistics in Epidemiology, Biopharmaceutical Section, WNAR, Section on Survey Research Methods, Biometrics Section		
<i>Chair(s): B. Rey de Castro, Westat, Inc.</i>		

4:05 PM	Testing for Qualitative Interaction of Multiple Sources of Informative Dropout in Longitudinal Data — ■ Sara B. Crawford, Valparaiso University; John J. Hanfelt, Emory University
4:20 PM	Overdispersed Continuous-Time Models with Epidemiological Applications — ■ Carles Breto, Universidad Carlos III de Madrid; Edward L. Ionides, The University of Michigan; Aaron A. King, The University of Michigan
4:35 PM	Multilevel Modeling Technique and Bootstrap Variance Estimation in Longitudinal and Cross-Sectional Complex Survey Data Sets — ■ Alomgir Hossain, University of Saskatchewan; Punam Pahwa, University of Saskatchewan; Bruce Reeder, University of Saskatchewan; Bonnie Janzen, University of Saskatchewan
4:50 PM	Correction of Bias from Nonrandom Missing Longitudinal Data — ■ Cuiling Wang, Albert Einstein College of Medicine; Charlie B. Hall, Albert Einstein College of Medicine
5:05 PM	Modeling Change in Longitudinal Studies: Use Age Only or Initial Age and Time? — ■ Christopher H. Morrell, Loyola College in Maryland; Larry J. Brant, National Institute on Aging; Luigi Ferrucci, National Institute on Aging
5:20 PM	Comparison of Generalized Estimating Equations and Quadratic Inference Functions in Longitudinal Analysis of Data from the NLSCY Database — ■ Adefowope O. Oduyungbo, McMaster University; Dillon Browne, University of Guelph; Norri Akhtar-Danesh, McMaster University; Lehana Thabane, McMaster University
5:35 PM	Floor Discussion

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-109

Spatial and Space-Time Models and Applications - Contributed - Papers

Section on Statistics and the Environment, WNAR

Chair(s): Mark C. Greenwood, Montana State University, Bozeman

4:05 PM	Spatio-Temporal Modeling of Intra-Urban Variations in Air Pollution Concentrations — ■ Adam A. Szpiro, University of Washington; Paul D. Sampson, University of Washington; Lianne Sheppard, University of Washington; Darren Wilton, University of Washington; Tim Larson, University of Washington; Thomas Lumley, University of Washington; Sara D. Adar, University of Washington
4:20 PM	A Bayesian Spatial Model To Downscale Outputs from Numerical Models — ■ Veronica J. Berrocal, U.S. Environmental Protection Agency; Alan Gelfand, Duke University

4:35 PM	A Multivariate Spatial Model for Prediction of Storm Outages — ■Hongfei Li, IBM T. J. Watson Research Center; Jonathan Hosking, IBM T. J. Watson Research Center
4:50 PM	An Investigation for the Trend of Global Warming Based on the Global Seawater Oxygen-18 Database from NASA — ■Qiqi Deng, The University of Minnesota; Snigdhasu Chatterjee, The University of Minnesota
5:05 PM	Probabilistic Assessment of Regional Climate Change by Ensemble Dressing — ■Christian Schoelzel, Meteorological Institute at the University of Bonn; Andreas Hense, Meteorological Institute at the University of Bonn
5:20 PM	Infill Asymptotic Properties of Tapered Maximum Likelihood Estimators — ■Juan Du, Michigan State University; Hao Zhang, Purdue University; V. S. Mandrekar, Michigan State University
5:35 PM	Floor Discussion

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-701

Student Success in K--12 and Beyond - Contributed - Papers

Section on Statistical Education

Chair(s): Sam Behseta, California State University, Bakersfield

4:05 PM	Is NCLB Inflating Trends at Proficiency? A Cross-State Analysis of Trends Across Cut Scores — ■Katherine Furgol, The University of Iowa
4:20 PM	Data Analysis and Probability: An Examination of Criterion-Referenced Test Scores — ■Calli Holaway-Johnson, University of Arkansas; Charles Stegman, University of Arkansas; Sean Mulvenon, University of Arkansas
4:35 PM	Improving Statistics Self-Efficacy: Learning from Errors and Feedback — ■T. Simin Hall, The University of North Carolina, Greensboro
4:50 PM	The Relationship Between Learner-Centered Practices and Adolescent Achievement: A Latent Profile Analysis — ■Michelle Vanchu-Orosco, University of Denver; Barbara L. McCombs, University of Denver Research Institute; Steven A. Culpepper, Metropolitan State College of Denver
5:05 PM	Who Gets Better Grades in the Statistics Course? — ■Jen-Ting Wang, SUNY-Oneonta; Shu-Yi Tu, The University of Michigan, Flint
5:20 PM	Predicting Success in College Math Courses — ■Casey Gearheart, Roanoke College
5:35 PM	A Causal Relationship Model of Factors Affecting Professional Competency Development of Computer Sciences Students — ■Wilailuk Seritrakul, Bangkok University

		Add To My Program
61	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-711
Statistical Software - Contributed - Papers		
Section on Statistical Computing, Section on Survey Research Methods		
<i>Chair(s): Margaret D. Carroll, National Center for Health Statistics</i>		
4:05 PM	Probabilistic and Fuzzy Matching as Applied to Record Linkage and Computerized Coding — ■Michael J. Wenzowski, Statistics Canada	
4:20 PM	Rank and Set Restrictions for Homogeneity Analysis in R — ■Patrick Mair, Wirtschaftsuniversität Wien; Jan de Leeuw, University of California, Los Angeles	
4:35 PM	Sensitivity Analysis for Observational Studies: The ObsSens Package for R — ■Gregory L. Snow, Intermountain Healthcare	
4:50 PM	SAFAL: Statistical Analysis Functions Automating Language — ■Babubhai V. Shah, SAFAL Institute Inc.	
5:05 PM	An Open Source Library for the Estimation and Evaluation of ACD Models — ■Guillaume Weisang, Bentley College	
5:20 PM	Algorithmic Errors in the Estimation of Tobit II Models and the Corresponding Failure To Recognize Selection Bias — Thomas Zuehlke, Florida State University; ■Anthony Kassekert, Florida State University	
5:35 PM	GLUMIP 2.0: SAS/IML Software for Planning Internal Pilots — ■John A. Kairalla, University of Florida; Christopher S. Coffey, The University of Alabama at Birmingham; Keith E. Muller, University of Florida	
		Add To My Program
62  	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-707
Statistics in the Physical Sciences - Contributed - Papers		
Section on Physical and Engineering Sciences		
<i>Chair(s): Tena I. Katsaounis, The Ohio State University</i>		
4:05 PM	Statistical Learning Methods for Neutron Transmission Tomography of Fuel Cells — ■Kevin J. Coakley, National Institute of Standards and Technology; Daniel S. Hussey, National Institute of Standards and Technology; Dominic F. Vecchia, National Institute of Standards and Technology	
4:20 PM	Determining Dispersion Effects in Cultured Fish — ■Tess Astatkie, Nova Scotia Agricultural College; Jim Duston, Nova Scotia Agricultural College	

4:35 PM	Regression Analysis Investigation of the Link Between Hurricane Frequency and Climate Change — ■Roshanak Nateghi, Johns Hopkins University; Steven Quiring, Texas A&M University; Seth D. Guikema, Johns Hopkins University
4:50 PM	Modeling Spike Train Transformations in Brain Region — ■Dong Song, University of Southern California; Rosa H.M. Chan, University of Southern California; Vasilis Z. Marmarelis, University of Southern California; Robert E. Hampson, Wake Forest University; Sam A. Deadwyler, Wake Forest University; Theodore W. Berger, University of Southern California
5:05 PM	Spam Email Detection and Classification: A Bayes/Empirical Bayes Approach — ■Cheng C. Chen, Texas A&M University; Thomas Chen, Southern Methodist University; Rajat Sethi, Texas A&M Health Science Center
5:20 PM	Estimating the Skewness and Kurtosis of Nonlinear Time Series: Analysis of Turbulent Flows with Coherent Structures — ■Alexander Gluhovsky, Purdue University
5:35 PM	A Comparative Study of Mechanistic and Statistical Modeling of Water Quality Parameters in Hillsborough Bay, Florida — ■Keith E. Hackett, University of South Florida; Chris P. Tsokos, University of South Florida

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-712

Semiparametric Inference Under Partially Linear, Single-Index, and Related Models - Contributed - Papers

Section on Nonparametric Statistics, IMS

Chair(s): Abu Minhajuddin, The University of Texas Southwestern Medical Center

4:05 PM	Partial Linear Regression Model Checking with Berkson Measurement Errors — ■Weixing Song, Kansas State University
4:20 PM	On Estimation of Censored Single-Index Models — ■Zhulin He, University of Calgary; Xuewen Lu, University of Calgary
4:35 PM	Bandwidth Selection and Goodness-of-Fit Tests for Single-Index Models — ■Wei Lin, The Ohio State University
4:50 PM	Penalized Quadratic Inference Functions for Single-Index Models with Longitudinal Data — ■Yang Bai, The University of Hong Kong
5:05 PM	Testing for Linearity of the Nonparametric Component of a Partially Linear Model — ■Chin-Shang Li, University of California, Davis
5:20 PM	Floor Discussion

		Add To My Program
64	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-602
Modeling of Brain Imaging and Related Data - Contributed - Papers		
Biometrics Section , Section on Nonparametric Statistics, Biopharmaceutical Section, WNAR		
<i>Chair(s): Russell L. Zaretzki, The University of Tennessee, Knoxville</i>		
4:05 PM	Wavelet Estimation and fMRI Applications — ■ Zibonele A. Valdez-Jasso, The University of Texas at Dallas; Sam Efromovich, The University of Texas at Dallas	
4:20 PM	Thresholding Complex Magnetic Resonance Images Using Magnitude and Phase — ■ Daniel B. Rowe, Medical College of Wisconsin	
4:35 PM	Estimating Distributions of Onset Times and Durations from Multisubject fMRI Studies — ■ Lucy F. Robinson, Columbia University; Martin Lindquist, Columbia University	
4:50 PM	A Social Network Probability Map of the Brain — ■ Lynne Seymour, The University of Georgia	
5:05 PM	Identifying Active Regions of the Brain via Social Networks Modeling in Single Subjects — Lynne Seymour, The University of Georgia; ■ Ana M. Bargo, The University of Georgia; Abhyuday Mandal, The University of Georgia	
5:20 PM	Adapting FDR Thresholding Procedures to Neuroimaging — ■ Lynn E. Eberly, The University of Minnesota; Brian S. Caffo, Johns Hopkins University	
5:35 PM	Floor Discussion	
		Add To My Program
65	Sun, 8/3/08, 4:00 PM - 5:50 PM	CC-112
Credit; Bootstrap - Contributed - Papers		
Business and Economics Statistics Section		
<i>Chair(s): Yi Wang, New York University</i>		
4:05 PM	Predicting Credit Card Attrition Curves with Survival Models — ■ Alfred Furth, South Dakota State University	
4:20 PM	Modeling the Dynamic of Consumer Credit Utilization — ■ Jie Chen, Bank of America, N.A.; Agus Sudjianto, Bank of America, N.A.; Runze Li, The Pennsylvania State University; Richard Liu, Bank of America, N.A.	
4:35 PM	Frequency Domain Bootstrap Test for Time Series Linearity — ■ Jane L. Harvill, Baylor University	

4:50 PM	Generating Random Integer Sequences for Marketing and Risk Analytics — ■Michial Thompson, Strouline Thompson Technology Group
5:05 PM	Pricing Interest Rate Options in a LIBOR Market Model — ■Ting-Pin Wu, National Taipei University; Shih-Kuei Lin, National University of Kaohsiung
5:20 PM	On the Term Structure of Credit Risk Spreads Under Levy Processes — ■Budhi A. Surya, Bank of America, N.A.
5:35 PM	Floor Discussion

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-704

Statistical Methods for Genome-Wide Association Studies - Contributed - Papers

Biometrics Section, Section on Statistics in Epidemiology

Chair(s): Gary L. Gadbury, Kansas State University

4:05 PM	Genotyping and Inflated Type I Error Rate in Genome-Wide Association Case/Control Studies — ■Joshua N. Sampson, Yale University; Hongyu Zhao, Yale University School of Medicine
4:20 PM	Power of Model Selection Methods for High-Dimensional, Genome-Wide Association Data — ■Zheyang Wu, Yale University School of Medicine; Hongyu Zhao, Yale University School of Medicine
4:35 PM	Bayesian Inference of Epistatic Interactions with Applications to HIV Drug Resistance — ■Jing Maria Zhang, Harvard University; Jun S. Liu, Harvard University
4:50 PM	Dimensionality Reduction for Genetic Background Estimation in Whole-Genome Association Studies — ■Jasmin Divers, Wake Forest University Health Sciences; Jennifer B. Erway, Wake Forest University; Matthew L. Stiegert, Wake Forest University Health Sciences; Carl D. Langefeld, Wake Forest University Health Sciences
5:05 PM	Determining Heritability Using Second-Level Testing for Genome-Wide Association Studies — ■Jae Brodsky, University of California, Los Angeles
5:20 PM	A Score Statistic for Testing for Genetic Association Given Linkage — ■Jeanine Houwing-Duistermaat, LUMC; Hae-Won Uh, LUMC; Rick van Minkelen, LUMC; Marieke de Visser, LUMC
5:35 PM	What's the Best Statistic for a Simple Test of Genetic Association in a Case-Control Study? — ■Chia-Ling Kuo, University of Pittsburgh; Eleanor Feingold, University of Pittsburgh

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Adaptive Design in Clinical Trials - Contributed - Papers

Biopharmaceutical Section, WNAR, Biometrics Section

Chair(s): Keaven Anderson, Merck & Co., Inc.

4:05 PM	Adaptive Randomization: The Preferred Randomization in Multicenter Clinical Trials —  Bob Zhong, Centocor, Inc.; Lilianne Kim, Centocor, Inc. ; Youyi Shu, Centocor, Inc.; Yong-Cheng Wang, Biogen Idec, Inc.
4:20 PM	A Hybrid Adaptive Design for Phase 2 Clinical Trials —  Richard J. McNally, Pharmion Corporation
4:35 PM	An Integrated Algorithm for Adaptive Design: Sample Size Re-Estimation, Interim Treatment Selection, and Futility---Method and Computing Package —  Yi He, sanofi-aventis; Zhenming Shun, sanofi-aventis; Martin Roessner, sanofi-aventis
4:50 PM	Hypothesis Testing in Adaptive Design for Drop-the-Losers —  Gang Li, Johnson & Johnson Pharmaceutical R&D, LLC; Yining Wang, Johnson & Johnson Pharmaceutical R&D, LLC; Peter Ouyang, Johnson & Johnson Pharmaceutical R&D, LLC; Gorden Lan, Johnson & Johnson Pharmaceutical R&D, LLC.
5:05 PM	Comparison of the Weighted and Unweighted Z-Statistics Used in a Two-Stage Adaptive Clinical Trial After Sample Size Change —  John Ouyang, Otsuka Pharmaceutical Development & Commercialization, Inc.; Peter H. Zhang, Otsuka Pharmaceutical Development & Commercialization, Inc.
5:20 PM	Seamless Phase II/III Clinical Trials Using the Likelihood Approach —  Guijun Yang, Tianjin University of Finance and Economics; Samuel S. Wu, University of Florida; Mark C.K. Yang, University of Florida; Anqi Sun, University of Florida
5:35 PM	Adaptive Designs for Dose-Ranging Phase I/II Trials —  Naum M. Khutoryansky, Novo Nordisk Inc

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Issues Related to the Analysis of Longitudinal Data - Contributed - Papers

Biopharmaceutical Section, Section on Statistics in Epidemiology, Section on Survey Research Methods, WNAR, Biometrics Section

Chair(s): Haiyuan Zhu, Merck Research Laboratories

4:05 PM	Likelihood-Based, Mixed-Effects Model Repeated Measures (MMRM) Analysis for Acute Phase Clinical Trial for the Treatment of Major Depressive Disorder — ■Baldeo K. Taneja, EPIX Pharmaceuticals, Inc.; Thomas Kinghorn, MDS Biostatistics; John Reinhard, Brain Insights, LLC; Andrew Uprichard, EPIX Pharmaceuticals, Inc.
4:20 PM	Longitudinal Data Analysis: Repeated Measures Analysis Versus Random Coefficient Models — ■Radhi Abdulnabi, Ovation Pharmaceuticals, Inc.
4:35 PM	Mixture Model for Individual and Combined Data Using Estimating Equations — ■Pali Sen, University of North Florida; Jacy Crosby, University of North Florida
4:50 PM	A Comparison of Methods for Pretest/Post-Test Trials with Small Samples — ■Xiao Sun, Merck & Co., Inc.; Robin Mogg, Merck Research Laboratories; Devan V. Mehrotra, Merck Research Laboratories
5:05 PM	MMRM Analyses with and Without Titration Visits — ■Phillip Dinh, U.S. Food and Drug Administration; Peiling Yang, U.S. Food and Drug Administration
5:20 PM	Modeling Phase-Dependent Effects and Volatile Longitudinal Responses via Geometric Brownian Motion Process — ■Li Zhu, University of California, Davis; Fushing Hsieh, University of California, Davis; Eric Chi, Amgen, Inc; Juan Li, Amgen, Inc
5:35 PM	Sensitivity Analyses for Data in Presence of Missing Not at Random: A Case Study — ■Yanning Liu, Johnson & Johnson Pharmaceutical R&D, LLC

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Sun, 8/3/08, 4:00 PM - 5:50 PM

CC-113

Confirmatory Factor Analysis and Principal Components Analysis - Contributed - Papers

Social Statistics Section, Section on Nonparametric Statistics, Section on Government Statistics

Chair(s): Ben Earnhart, The University of Iowa

4:05 PM	Principal Component Analysis for Symbolic Data — ■Jennifer Le-Rademacher, The University of Georgia; Lynn Billard, The University of Georgia
4:20 PM	On Principal Components and Regression: A Statistical Explanation of a Natural Phenomenon — ■Andreas A. Artemiou, The Pennsylvania State University; Bing Li, The Pennsylvania State University
4:35 PM	The Effects of Toeplitz Structure on the Structural Integrity of Confirmatory Factor Analysis — ■Bruce L. Brown, Brigham Young University; Jeffrey R. Wheeler, Pentara Corp; Tyson T. Phalp, Myriad Genetics; Petr Blahus, Charles University in Prague

4:50 PM	Are Husband and Wives' Hostility and Support Distinct Factors? — ■ Frederick O. Lorenz, Iowa State University; Janet N. Melby, Iowa State University; Rand D. Conger, University of California, Davis	
5:05 PM	Comparison of Methods To Generate Eigenvalues for Parallel Analysis — ■ Kellie Keeling, University of Denver; Robert Pavur, University of North Texas	
5:20 PM	Multigroup Confirmatory Factor Analysis: Parameter Bias and Noninvariant Referents — ■ Holmes Finch, Ball State University; Brian F. French, Purdue University	
5:35 PM	Floor Discussion	
Add To My Program		
	Sun, 8/3/08, 4:30 PM - 8:00 PM	CC-206
ENAR Executive Committee Meeting (closed)		
ENAR		
<i>Organizer(s): Kathy Hoskins, ENAR</i>		
Add To My Program		
	Sun, 8/3/08, 5:00 PM - 8:00 PM	HY-Mineral Hall F
International Chinese Statistical Association Board Meeting (closed)		
International Chinese Statistical Association		
<i>Organizer(s): Ming-Hui Chen, University of Connecticut</i>		
Add To My Program		
	Sun, 8/3/08, 5:30 PM - 7:00 PM	HY-Agate A
Section on Quality and Productivity Executive Committee Meeting (closed)		
Section on Quality and Productivity		
<i>Chair(s): Connie Borrer, Arizona State University West</i>		
Add To My Program		
	Sun, 8/3/08, 5:30 PM - 7:00 PM	CC-208
Committee on Scientific Freedom and Human Rights Meeting		
Committee on Scientific Freedom and Human Rights		

Chair(s): Susan Hinkins, National Opinion Research Center

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Sun, 8/3/08, 6:00 PM - 7:30 PM

HY-Capitol Ballroom 1-7

JSM First-Timer Orientation and Reception

ASA, ENAR, IMS, SSC, WNAR, Caucus for Women in Statistics

Chair(s): Marcia Ciol, University of Washington

Instructor(s): Mary Gray, American University

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Sun, 8/3/08, 6:30 PM - 9:00 PM

HY-Agate C

Biometrics Section Executive Committee Meeting (closed)

Biometrics Section

Chair(s): Jeremy M.G. Taylor, The University of Michigan

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Sun, 8/3/08, 6:30 PM - 8:30 PM

HY-Mineral Hall A

Purdue University Friends and Alumni Reception

Purdue University

Organizer(s): Sandy Howarth, Purdue University

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Sun, 8/3/08, 6:30 PM - 8:30 PM

Off Property

Section on Statistical Consulting Executive Committee Business Meeting (closed)

Section on Statistical Consulting

Chair(s): Brenda Gaydos, Eli Lilly and Company

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Sun, 8/3/08, 7:00 PM - 8:00 PM

HY-Quartz A-B

Advisory Committee on Continuing Education Presenter Social (closed)

Advisory Committee on Continuing Education		
<i>Chair(s): Eileen King, The Procter & Gamble Co</i>		
		Add To My Program
	Sun, 8/3/08, 7:00 PM - 8:30 PM	HY-Granite A-C
Google Reception (by invitation only)		
Google		
<i>Organizer(s): Kate Macevicz, Google, Inc.</i>		
		Add To My Program
	Sun, 8/3/08, 7:00 PM - 9:00 PM	CC-102
Isolated Statisticians Meeting		
Isolated Statisticians		
<i>Organizer(s): Shonda Kuiper, Grinnell College</i>		
		Add To My Program
	Sun, 8/3/08, 8:00 PM - 10:30 PM	CC-Four Seasons Ballroom
JSM Opening Mixer		
ASA, ENAR, IMS, SSC, WNAR		
		Add To My Program
	Mon, 8/4/08, 7:00 AM - 8:00 AM	HY-Agate A
Section on Health Policy Statistics Executive Committee Meeting (closed)		
Section on Health Policy Statistics		
<i>Chair(s): A. James O'Malley, Harvard Medical School</i>		
		Add To My Program
	Mon, 8/4/08, 7:00 AM - 8:30 AM	HY-Capitol Ballroom 7
ASA-MAA Joint on Undergraduate Statistics Committee Meeting		
ASA-MAA Joint Committee on Undergraduate Statistics		

Chair(s): Robin Lock, St. Lawrence University

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Mon, 8/4/08, 7:00 AM - 8:30 AM

HY-Granite B

Committee on ASA Archives and Historical Materials Meeting (closed)

Committee on ASA Archives and Historical Materials

Chair(s): Carol Lancaster, Medical University of South Carolina

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Mon, 8/4/08, 7:00 AM - 9:00 AM

HY-Quartz B

ASA/SIAM Book Series Editorial Board Meeting (closed)

ASA/SIAM Book Series

Chair(s): Martha Aliaga, The American Statistical Association

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Mon, 8/4/08, 7:00 AM - 8:30 AM

HY-Sandstone

JABES Management Committee Annual Meeting (closed)

JABES Management Committee

Chair(s): Jean Opsomer, Colorado State University

[Add To My Program](#)

Mon, 8/4/08, 7:00 AM - 8:30 AM

HY-Capitol Ballroom 2

Committee on Applied Statisticians Business Meeting

Committee on Applied Statisticians

Chair(s): Mani Lakshminarayanan, Merck & Co., Inc.

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Mon, 8/4/08, 7:00 AM - 8:30 AM

HY-Agate B

Section on Teaching Statistics in the Health Sciences Executive Committee Meeting

Section on Teaching Statistics in the Health Sciences		
<i>Chair(s): Scott R. Evans, Harvard University</i>		
		Add To My Program
	Mon, 8/4/08, 7:00 AM - 8:30 AM	HY-Mineral Hall G
Technometrics Management Committee Business Meeting (closed)		
Technometrics Management Committee		
<i>Chair(s): Roger W. Hoerl, GE Global Research, Huaiyu Ma, GE Global Research</i>		
		Add To My Program
	Mon, 8/4/08, 7:00 AM - 9:00 AM	HY-Marble
Social Statistics Section Executive Board Meeting (closed)		
Social Statistics Section		
<i>Chair(s): Linda Gage, California Department of Finance</i>		
		Add To My Program
	Mon, 8/4/08, 7:00 AM - 8:30 AM	HY-Mineral Hall E
SPAIG Committee Meeting (closed)		
SPAIG Committee		
<i>Chair(s): Jai Choi, Medical College of Georgia</i>		
		Add To My Program
	Mon, 8/4/08, 7:00 AM - 8:30 AM	HY-Agate C
Survey Review Committee Annual Meeting		
Survey Review Committee		
<i>Chair(s): Virginia M. Lesser, Oregon State University</i>		
		Add To My Program
	Mon, 8/4/08, 7:00 AM - 8:30 AM	HY-Mineral Hall C

Committee on Membership Retention and Recruitment Business Meeting (closed)

Committee on Membership Retention and Recruitment

Chair(s): Dayanand N. Naik, Old Dominion University

[Add To My Program](#)

Mon, 8/4/08, 7:00 AM - 9:00 AM

HY-Mineral Hall D

Committee on Career Development (closed)

Committee on Career Development

Chair(s): Janet Myhre, Mathematical Analysis Research Corp.

[Add To My Program](#)

Mon, 8/4/08, 7:00 AM - 8:00 AM

HY-Capitol Ballroom 6

Caucus for Women in Statistics Breakfast Roundtables

Caucus for Women in Statistics

Organizer(s): Marcia Ciol, University of Washington

[Add To My Program](#)

Mon, 8/4/08, 7:00 AM - 8:30 AM

HY-Capitol Ballroom 1

Section on Statistical Graphics Executive Committee Business Meeting (closed)

Section on Statistical Graphics

Chair(s): Dan Rope, SPSS, Inc

[Add To My Program](#)

Mon, 8/4/08, 7:00 AM - 8:30 AM

HY-Capitol Ballroom 3

Section on Statistical Education Executive Committee Meeting (closed)

Section on Statistical Education

Chair(s): Linda J. Young, University of Florida

[Add To My Program](#)

	Mon, 8/4/08, 7:00 AM - 8:30 AM	HY-Limestone
Business and Economics Statistics Section Executive Committee Meeting (closed)		
Business and Economics Statistics Section		
<i>Chair(s): Sastry Pantula, North Carolina State University</i>		
Add To My Program		
	Mon, 8/4/08, 7:00 AM - 8:30 AM	CC-206
Section on Government Statistics Executive Board Meeting (closed)		
Section on Government Statistics		
<i>Chair(s): Carol House, U.S. Department of Agriculture</i>		
Add To My Program		
	Mon, 8/4/08, 7:00 AM - 6:00 PM	CC-F2 Lobby Office
Speaker Management Room		
Add To My Program		
	Mon, 8/4/08, 7:00 AM - 10:00 PM	CC-A Lobby
Cyber Center		
Add To My Program		
	Mon, 8/4/08, 7:00 AM - 8:30 AM	HY-Mineral Hall B
Committee on Professional Ethics		
Committee on Professional Ethics		
<i>Chair(s): Margaret Nemeth, Monsanto Company</i>		
Add To My Program		
70 ▲	Mon, 8/4/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistical Consulting Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistical Consulting		
<i>Organizer(s): Stephan Ogenstad, Statogen Consulting LLC</i>		

ML01:	Statistical Consulting in the Medical Device Area: Using Secondary Data Sources for Development of Clinical Research Studies — ■Madhu Mazumdar, Weill Cornell Medical College	
		Add To My Program
71	Mon, 8/4/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistical Education Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistical Education		
<i>Organizer(s): Peter Westfall, Texas Tech University</i>		
ML02:	Fostering Active Learning in Online and Distance Introductory Statistics Courses — ■Patti B. Collings, Brigham Young University	
		Add To My Program
72	Mon, 8/4/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistics and the Environment Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistics and the Environment		
<i>Organizer(s): Andrew B. Lawson, University of South Carolina</i>		
ML03:	Get Involved in the Research on Environmental Statistics Going on in RTP — ■Montserrat Fuentes, North Carolina State University	
		Add To My Program
73	Mon, 8/4/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistics in Epidemiology Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistics in Epidemiology		
<i>Organizer(s): Amy H. Herring, The University of North Carolina at Chapel Hill</i>		
ML04:	Bayesian Methods for High-Dimensional Data — ■David Dunson, National Institute of Environmental Health Science	
		Add To My Program
74	Mon, 8/4/08, 7:00 AM - 8:15 AM	CC-208

Section on Health Policy Statistics Roundtable with Coffee (fee event) - Roundtables - with Coffee

Section on Health Policy Statistics

Organizer(s): Mary Beth Landrum, Harvard Medical School

ML05: [Multiplicity Issues Related to Composite Endpoint of a Pro Instrument](#) — ■Mahboob Sobhan, U.S. Food and Drug Administration

[Add To My Program](#)

75 **Mon, 8/4/08, 7:00 AM - 8:15 AM** **CC-208**

Section on Survey Research Methods Roundtable with Coffee (fee event) - Roundtables - with Coffee

Section on Survey Research Methods

Organizer(s): Elaine Zanutto, National Analysts Worldwide Research and Consulting

ML06: [Surveying Cell Phone Numbers in the United States](#) — ■Paul J. Lavrakas, Consultant

[Add To My Program](#)

76 **Mon, 8/4/08, 7:00 AM - 8:15 AM** **CC-208**

Section on Quality and Productivity Roundtable with Coffee (fee event) - Roundtables - with Coffee

Section on Quality and Productivity

Organizer(s): Donald W. McCormack, Jr., SAS Institute Inc.

ML06B: [Statistics Groups in Industry: Rise, Decline, and Improvement](#) — ■Gerald Hahn, GE Corporate Research and Development (retired)

[Add To My Program](#)

Mon, 8/4/08, 7:30 AM - 8:30 AM

HY-Mineral Hall A

Communications in Statistics Editorial Board Meeting (closed)

Communications in Statistics

Organizer(s): Narayanaswamy Balakrishnan, McMaster University

[Add To My Program](#)

	Mon, 8/4/08, 7:30 AM - 9:00 AM	HY-Quartz A
ASA Caucus of Academic Representatives Committee Meeting (closed)		
ASA Caucus of Academic Representatives		
<i>Chair(s): Dalene Stangl, Duke University</i>		
		Add To My Program
	Mon, 8/4/08, 7:30 AM - 6:00 PM	CC-A Lobby
ASA Membership/Special Assistance/Press Desk		
		Add To My Program
	Mon, 8/4/08, 7:30 AM - 6:00 PM	CC-A Lobby
JSM Main Registration		
		Add To My Program
	Mon, 8/4/08, 7:30 AM - 9:00 AM	HY-Granite C
Committee on Minorities in Statistics Business Meeting (closed)		
Committee on Minorities in Statistics		
<i>Chair(s): Nagambal Shah, Spelman College</i>		
		Add To My Program
	Mon, 8/4/08, 7:30 AM - 9:00 AM	HY-Granite A
Council of Chapters ISEF Meeting		
Council of Chapters		
<i>Chair(s): Theresa Utlaut, Intel Corporation</i>		
		Add To My Program
	Mon, 8/4/08, 7:30 AM - 9:00 AM	HY-Capitol Ballroom 5
Carnegie Mellon Alumni and Faculty Breakfast (closed)		
Carnegie Mellon Alumni		

Organizer(s): Margie Smykla, Carnegie Mellon University

[Add To My Program](#)

Mon, 8/4/08, 8:00 AM - 6:00 PM

CC-Main Lobby

Denver Visitors Information Center

[Add To My Program](#)

Mon, 8/4/08, 8:00 AM - 6:00 PM

CC-Exhibit Hall A

Career Placement Service

[Add To My Program](#)

Mon, 8/4/08, 8:00 AM - 6:00 PM

CC-Exhibit Hall F

Exhibitor Lounge

[Add To My Program](#)

Mon, 8/4/08, 8:00 AM - 12:00 PM

HY-Centennial Ballroom H

Biopharmaceutical Section Executive Committee

Biopharmaceutical Section

Chair(s): Kannan Natarajan, Novartis Pharmaceuticals

[Add To My Program](#)

CE_14C

Mon, 8/4/08, 8:00 AM - 12:00 PM

CC-204

U-Statistics for Scoring Multivariate Data: From Sports to Genetics - Continuing Education - Course

ASA

Instructor(s): Knut M. Wittkowski, The Rockefeller University, Tingting Song, The Rockefeller University Center for Clinical and Translational Science

We will extend commonly used u-statistics for univariate and censored data to multivariate data with innovative applications in sports, economics, sociology, biology, and medicine. The course consists of four parts: stratification as a means to improve McNemar-type tests for trio data in genetics ('TDT') and adapt them to various genetic models; history of u-statistics; how information about relationships between variables can be incorporated through transforming data, converting

data into partial orderings, and combining partial orderings; and computational and statistical aspects of screening studies involving thousands of variables (SNP or gene-expression microarrays) and nonparametric "factor analyses." Demonstrations will be based on spreadsheets, functions from muStat (available from <http://cran.r-project.org> and <http://csan.insightful.com>), and web services available from <http://muStat.rockefeller.edu>. Prerequisites: Basic knowledge of statistics and programming. Recommended Textbook: Lehmann, E.L. (1975). Nonparametrics: Statistical Methods Based on Ranks. Holden-Day.

[Add To My Program](#)

Mon, 8/4/08, 8:00 AM - 9:00 PM

Off Property

Meeting Within a Meeting Workshop for K-12 Math and Science Teachers: K-4 Strand (closed, separate registration required)

ASA

Chair(s): Martha Aliaga, The American Statistical Association

[Add To My Program](#)

Mon, 8/4/08, 8:00 AM - 9:00 PM

Off Property

Meeting Within a Meeting Workshop for K-12 Math and Science Teachers: 9-12 Strand (closed, separate registration required)

ASA

Chair(s): Martha Aliaga, The American Statistical Association

[Add To My Program](#)

CE_13C

Mon, 8/4/08, 8:00 AM - 12:00 PM

CC-210-212

Evaluating Probability of Success for Internal Decisionmaking in Early Drug Development - Continuing Education - Course

ASA, Biopharmaceutical Section

Instructor(s): Narinder Nangia, Abbott Laboratories, Martin King, Abbott Laboratories, Jane Qian, Abbott Laboratories

Early development (the "learning stage") is a crucial period of the drug development process, as decisions to continue or halt development of a compound must be made with incomplete information. Relying solely on p-values from phase I-II studies for making drug development milestone decisions is an inefficient approach, as it ignores several important determinants of future success. We will discuss the statistical tools that enable quantification of the uncertainty associated with results coming from learning stage studies. These tools use the Bayesian approach to exploit the totality of accumulated data/knowledge in a formal way for internal decisionmaking in early drug development. Posterior and/or predictive probabilities computed in a Bayesian

paradigm are easy to interpret and provide much more relevant information than p-values for decisionmaking. We will also discuss evaluation of probability of a successful phase III trial through clinical trial simulations. Examples from the CNS, inflammation and oncology therapeutic areas will be considered for evaluation of probability of success for drug candidates in meeting the target product profile.

[Add To My Program](#)

CE_16C

Mon, 8/4/08, 8:30 AM - 5:00 PM

CC-203

Graphics of Large Data Sets - Continuing Education - Course

ASA, Section on Statistical Graphics

Instructor(s): Antony Unwin, Augsburg University, Heike Hofmann, Iowa State University

Graphics are great for exploring data, but how can they be used for looking at the large data sets commonplace today? Large data sets bring new complications and require different emphases and approaches. In this course, based on Graphics of Large Datasets, we will discuss how to look at ways of visualizing large datasets, whether large in number of cases, number of variables, or both. Data visualization is useful for data cleaning, exploring data, identifying trends and clusters, spotting local patterns, evaluating modeling output, and presenting results. It is essential for exploratory data analysis and data mining. Data analysts, statisticians, and computer scientists should benefit from attending this course. Participants are welcome to bring laptops and should have knowledge of standard statistical graphics and experience carrying out data analysis. Either the software Mondrian (which can be downloaded from stats.math.uni-augsburg.de/Mondrian/) or, if you use R, the R package iPlots should be installed.

[Add To My Program](#)

CE_15C

Mon, 8/4/08, 8:30 AM - 5:00 PM

CC-201

Analysis of Clinical Trials: Theory and Applications - Continuing Education - Course

ASA, Biopharmaceutical Section

Instructor(s): Christy Chuang-Stein, Pfizer, Inc., Alex Dmitrienko, Eli Lilly and Company, Keaven Anderson, Merck & Co., Inc.

We will cover analysis of stratified data, multiple comparisons and multiple endpoints, and interim analysis and interim data monitoring by presenting practical advice from experts, offering a well-balanced mix of theory and applications, and discussing regulatory considerations. The discussed statistical methods will be implemented using SAS software, and clinical trial examples will be used for illustration. This course is for statisticians working in the pharmaceutical or biotechnology industries, as well as contract research organizations. It is equally beneficial to statisticians working in institutions that deliver health care and government branches that conduct health care-related research. Attendees must have basic knowledge of clinical trials. Familiarity with drug development is highly desirable, but not necessary.

		Add To My Program
CE_17C	Mon, 8/4/08, 8:30 AM - 5:00 PM	CC-205
Statistical Evaluation of Medical Tests and Biomarkers for Classification - Continuing Education - Course		
ASA, Section on Statistics in Epidemiology		
<i>Instructor(s): Margaret S. Pepe, Fred Hutchinson Cancer Research Center, Holly Janes, Fred Hutchinson Cancer Research Center, Todd A. Alonzo, University of Southern California</i>		
<p>Development of biomarkers and medical diagnostic devices has accelerated. Their rigorous evaluation is a high priority for research, yet principles and techniques for the design and analysis of these studies are not widely known. There are fundamental differences among methods for therapeutic and etiologic studies. Moreover, much basic methodology has developed recently. We will cover estimation and comparison of Receiver Operating Characteristic (ROC) curves and describe extensions to adjust for covariates that affect biomarker/test measurements. For assessing factors associated with test performance, ROC regression methods will be presented. We also will consider how to evaluate the benefit of a new test when standard tests or clinical variables exist. Second, we will consider the design of case-control studies most common in this field. Sample size calculations and optimal choice of case-control ratio will be presented and the attributes and limitations of matching controls to cases will be discussed. Third, prospective studies will be considered. Finally, we will discuss problems incurred when the gold standard reference test is, itself, subject to error. A suite of freely available Stata programs will implement analyses. Prerequisite: introductory statistics.</p>		
		Add To My Program
CE_18C	Mon, 8/4/08, 8:30 AM - 5:00 PM	CC-207
Computational Statistics: Methods for Monte Carlo Integration and Optimization - Continuing Education - Course		
ASA, Section on Statistical Computing		
<i>Instructor(s): Jennifer A. Hoeting, Colorado State University, Geof H. Givens, Colorado State University</i>		
<p>This course will consist of two parts: a morning session on Monte Carlo integration strategies and an afternoon session on optimization methods. We will survey a variety of techniques, ranging from classic to state-of-the-art. The course will be based on Computational Statistics, and is aimed at quantitative scientists and statisticians who are unfamiliar with these methods. Upper division undergraduate mathematical literacy is recommended. Many problems in statistics require the evaluation of integrals that cannot be solved analytically, particularly in Bayesian statistics. We will cover Monte Carlo integration, importance sampling and variance reduction techniques, and Markov chain Monte Carlo methods. Optimization also plays a central role in statistics, particularly in numerical maximum likelihood estimation. The afternoon session will cover Newton-like methods, Gauss-Seidel iteration, tabu algorithms, simulated annealing, genetic algorithms, and the EM algorithm and its variants. We seek to give students a practical understanding of how and why existing methods work, enabling them to use modern statistical</p>		

methods effectively. We focus on methodological concepts, and not details of computer programming. Examples are drawn from diverse fields including bioinformatics, ecology, and medicine.

The course will be based on the book "Computational Statistics," by G. Givens and J. Hoeting, Wiley.

		Add To My Program
77	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-605

Introductory Overview Lecture: Missing and Coarse Data

ASA, ENAR, IMS, SSC, WNAR, Biopharmaceutical Section, Section on Survey Research Methods, Section on Teaching Statistics in the Health Sciences, Section on Statistics in Epidemiology

Organizer(s): Russell Lenth, The University of Iowa

Chair(s): Dale Zimmerman, The University of Iowa

8:35 AM	An Introduction to Multiple Imputation — ■Roderick J. Little, The University of Michigan
9:25 AM	Analyzing Coarse Data — ■Daniel F. Heitjan, University of Pennsylvania
10:15 AM	Floor Discussion

		Add To My Program
78 ●	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-710

Current Issues in Molecular Epidemiology: Heterogeneity and High-Dimensionality - Invited - Papers

Section on Statistics in Epidemiology, WNAR, Biometrics Section

Organizer(s): Jaya M. Satagopan, Memorial Sloan-Kettering Cancer Center, Samiran Sinha, Texas A&M University

Chair(s): Jaya M. Satagopan, Memorial Sloan-Kettering Cancer Center

8:35 AM	Methods for Incorporating Biological Knowledge into Analysis of Genome-Wide Association Studies — ■Hongzhe Li, University of Pennsylvania
8:55 AM	Probability of Detecting Disease-Associated SNPs in Case-Control, Genome-Wide Association Studies — ■Mitchell H. Gail, National Cancer Institute; Ruth Pfeiffer, National Cancer Institute; William Wheeler, Information Management Services; David Pee, Information Management Services

9:15 AM	Shrinkage Estimators for Robust and Efficient Inference in Haplotype-Based Case-Control Studies — ■ Yi-Hau Chen, Institute of Statistical Science, Academia Sinica; Nilanjan Chatterjee, National Cancer Institute; Raymond Carroll, Texas A&M University
9:35 AM	Assessing Gene-Environment Interaction in a Genomewide Association Study — ■ James Gauderman, University of Southern California; Cassandra Murcra, University of Southern California; Juan Lewinger, University of Southern California; Heather Volk, University of Southern California; David Conti, University of Southern California; Dalin Li, University of Southern California
9:55 AM	Disc: Colin B. Begg, Memorial Sloan-Kettering Cancer Center
10:15 AM	Floor Discussion

[Add To My Program](#)

79	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-110
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Financial Econometrics - Invited - Papers

Business and Economics Statistics Section

Organizer(s): Philippe Soulier, Université Paris X

Chair(s): Philippe Soulier, Université Paris X

8:35 AM	Inference for Lévy-Driven, Continuous-Time ARMA Processes — ■ Richard A. Davis, Columbia University; Peter J. Brockwell, Colorado State University; Yu Yang, Colorado State University
9:05 AM	Microstructure Noise, Integrated Volatility, and Rounding Error — ■ Mathieu Rosenbaum, University Paris-Est and CREST-ENSAE
9:35 AM	A Levy-Driven, Continuous-Time GARCH Process — ■ Alexander Lindner, TU Braunschweig
10:05 AM	Floor Discussion

[Add To My Program](#)

80 	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-703
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In Remembrance of Paul Minton: Statistician, Educator, and Advocate for Statistics - Invited - Papers

Memorial, ENAR, Committee on ASA Archives and Historical Materials

Organizer(s): Dwight B. Brock, Westat, Inc.

Chair(s): Dwight B. Brock, Westat, Inc.

8:35 AM	Paul Dixon Minton: LSD for Statisticians from a Southern Gentleman — ■James M. Davenport, Virginia Commonwealth University
9:05 AM	The 'Compleat' Statistician: Paul Minton — ■Fritz Scheuren, The University of Chicago
9:35 AM	Development and Growth of Statistical Science at Southern Methodist University — ■William R. Schucany, Southern Methodist University
10:05 AM	Floor Discussion

[Add To My Program](#)

81 ●

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-102

Disparate Information Fusion - Invited - Papers

Section on Statisticians in Defense and National Security, Section on Physical and Engineering Sciences

Organizer(s): Jeffrey L. Solka, Naval Surface Warfare Center Warfare Center Dahlgren Division

Chair(s): Patricia H. Carter, Naval Surface Warfare Center

8:35 AM	On the Exploitation of Multiple Disparate Dissimilarities — ■Carey E. Priebe, Johns Hopkins University; Youngser Park, Johns Hopkins University; Zhiliang Ma, Johns Hopkins University; Adam Cardinal-Stakenas, Johns Hopkins University
9:05 AM	Embedding Methods for Disparate Data — ■Michael W. Trosset, Indiana University; Brent S. Castle, Indiana University
9:35 AM	Some Strategies for the Fusion of Imagery and Text — ■Jeffrey L. Solka, Naval Surface Warfare Center Warfare Center Dahlgren Division; Nick Tucey, Naval Surface Warfare Center Warfare Center Dahlgren Division; Avory Bryant, Naval Surface Warfare Center Warfare Center Dahlgren Division; Ted Clark, Naval Surface Warfare Center Warfare Center Dahlgren Division
10:05 AM	Floor Discussion

[Add To My Program](#)

82 ●

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-704

Robust Methods in Small-Area Estimation - Invited - Papers

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section, Section on Health Policy Statistics

Organizer(s): Julie Gershunskaya, Bureau of Labor Statistics

Chair(s): John L. Eltinge, Bureau of Labor Statistics

8:35 AM	Examining Sensitivity of Small-Area Inferences to Uncertainty About Sampling Error Variances — ■ William R. Bell, U.S. Census Bureau
9:00 AM	Robust Estimation of Monthly Employment Growth Rates — ■ Julie Gershunskaya, Bureau of Labor Statistics; Partha Lahiri, University of Maryland, College Park
9:25 AM	Robust Small-Area Estimation Under Unit-Level Models — ■ J. N. K. Rao, Carleton University
9:50 AM	Disc: Graham Kalton, Westat, Inc.
10:10 AM	Floor Discussion

[Add To My Program](#)

83

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-104

High-Dimensional Data Assimilation and the Ensemble Kalman Filter - Invited - Papers

Section on Bayesian Statistical Science, Section on Statisticians in Defense and National Security

Organizer(s): Yuguo Chen, University of Illinois at Urbana-Champaign

Chair(s): Yuguo Chen, University of Illinois at Urbana-Champaign

8:35 AM	Dynamic Tomography of the Solar Corona with the Localized Ensemble Kalman Filter — ■ Richard A. Frazin, The University of Michigan; Yuguo Chen, University of Illinois at Urbana-Champaign; Mark Butala, University of Illinois; Farzad Kamalabadi, University of Illinois
9:00 AM	Using Small Ensembles in High Dimensions: Hierarchical Bayesian Approaches to Adaptive Ensemble Filters — ■ Jeffrey Anderson, National Center for Atmospheric Research
9:25 AM	Estimation of High-Dimensional Prior and Posterior Covariance Matrices in Kalman Filter Variants — ■ Reinhard Furrer, Colorado School of Mines; Thomas Bengtsson, Bell Labs, Alcatel-Lucent
9:50 AM	Ensemble Sampling — ■ Nicholas Polson, The University of Chicago; Hedibert Lopes, The University of Chicago
10:15 AM	Floor Discussion

[Add To My Program](#)

84 ▲

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-709

Ridge Regression and Related Topics - Invited - Papers

SSC, Section on Physical and Engineering Sciences, IMS

Organizer(s): B.M. Golam Kibria, Florida International University

<i>Chair(s): B.M. Golam Kibria, Florida International University</i>		
8:35 AM	A New Class of Generalized Bayes Minimax Ridge Regression Estimators — ■William E. Strawderman, Rutgers, The State University of New Jersey	
9:00 AM	Developing Ridge Parameters for SUR Model — ■Ghazi Shukur, Jonkoping University	
9:25 AM	A Class of Unrestricted Estimators — ■M. Revan Özkale, Çukurova University	
9:50 AM	Disc: Marvin Gruber, Rochester Institute of Technology	
10:10 AM	Floor Discussion	
		Add To My Program
85 ●	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-603
Methodological Advances in Testing and Estimation of Gene Expression Differences - Invited - Papers		
ENAR , Section on Nonparametric Statistics, Biopharmaceutical Section, Section on Statistics in Epidemiology, WNAR, IMS, Biometrics Section		
<i>Organizer(s): Dan Nettleton, Iowa State University</i>		
<i>Chair(s): Baolin Wu, The University of Minnesota</i>		
8:35 AM	Estimating FDR Using Nonparametric Deconvolution — ■Mark van de Wiel, Vu University; Kyung In Kim, Eindhoven University of Technology	
9:00 AM	Exploring the Information in P-Values for the Analysis and Planning of Multiple-Test Experiments — David Ruppert, Cornell University; ■Dan Nettleton, Iowa State University; J.T. Gene Hwang, Cornell University	
9:25 AM	An Approximate Empirical Bayes Model Selection Approach to Microarray Data Analysis — ■Harrison Zhou, Yale University; J.T. Gene Hwang, Cornell University; Dan Nettleton, Iowa State University	
9:50 AM	Multiple Testing on the Directed Acyclic Graph of Gene Ontology — ■Jelle Goeman, Leiden University Medical Center; Ulrich Mansmann, University of Munich	
10:15 AM	Floor Discussion	
		Add To My Program
86 ● ▲	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-103
Political Science, Statistical Science, and Graphics - Invited - Papers		
Section on Statistical Graphics , Section on Survey Research Methods, Social Statistics Section		

<i>Organizer(s): Anton Westveld, University of Nevada, Las Vegas</i>		
<i>Chair(s): Anton Westveld, University of Nevada, Las Vegas</i>		
8:35 AM	A Picture Is Worth a Billion Words: Visualizing Mega-Parameter Models from Giga-Scale Textual Data — ■Burt Monroe, The Pennsylvania State University	
9:05 AM	Ceci N'Est Pas Une Carte — ■Michael D. Ward, University of Washington	
9:35 AM	Tufte Without Tears — ■Chris Adolph, University of Washington	
10:05 AM	Floor Discussion	
		Add To My Program
87 ● ▲	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-202
Statisticians Impacting Policy and Practice in the Real World: Case Studies from Medicine, Fisheries, and Banking - Invited - Papers		
Committee on Applied Statisticians , Biopharmaceutical Section, Section on Government Statistics, Social Statistics Section, Scientific and Public Affairs Advisory Committee, Chance		
<i>Organizer(s): Paula K. Roberson, University of Arkansas for Medical Sciences</i>		
<i>Chair(s): Paula K. Roberson, University of Arkansas for Medical Sciences</i>		
8:35 AM	Stochastic Modeling of Oyster Demographics in Support of an Ecological Risk Assessment To Address Management of the Chesapeake Bay Fishery — Mary C. Christman, University of Florida; ■Thomas Bohrmann, University of Florida	
9:00 AM	Statisticians Influencing Policy and Practice in Banking — ■Leonard D. Roseman, Capital One Services, Inc.	
9:25 AM	Bedside Analysis of Cerebral Autoregulation in Very-Low-Birth-Weight Infants — ■D. Keith Williams, University of Arkansas for Medical Sciences	
9:50 AM	Disc: Gary Cutter, The University of Alabama at Birmingham	
10:10 AM	Floor Discussion	
		Add To My Program
88 ●	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-707
Applications of Advanced Lifetime Data Analysis - Topic Contributed - Papers		
Section on Physical and Engineering Sciences , Section on Quality and Productivity		
<i>Organizer(s): I-Li Lu, The Boeing Company</i>		
<i>Chair(s): Sabyasachi Basu, The Boeing Company</i>		

8:35 AM	Advanced Reliability Methods for the Optimization of Aircraft Maintenance Process: Cost Minimization — ■I-Li Lu, The Boeing Company; Ranjan K. Paul, The Boeing Company
8:55 AM	Detection of Nuclear Material in Containers Entering US: A Learning Approach for Analyzing Radiation Portal Data — ■Siddhartha R. Dalal, Rand Corporation
9:15 AM	Unified Confidence Bounds for Censored Weibull Data with Covariates — ■Fritz Scholz, University of Washington
9:35 AM	Incorporating Covariates in Flowgraph Models: Applications to Recurrent Event Data — ■Aparna Huzurbazar, Los Alamos National Laboratory; Brian Williams, Los Alamos National Laboratory
9:55 AM	Goodness-of-Fit Testing from the Pareto and the Logistic Distributions — ■Sneh Gulati, Florida International University; Samuel Shapiro, Florida International University
10:15 AM	Floor Discussion

[Add To My Program](#)

89 ●

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-712

Semi/Nonsupervised Learning and Its Application in Bioscience - Topic Contributed - Papers

Biometrics Section, WNAR

Organizer(s): Samiran Ghosh, Indiana University Purdue University, Indianapolis

Chair(s): Jaydip Mukhopadhyay, Bristol-Myers Squibb Company

8:35 AM	Bayesian Nonlinear Classification Methods and Their Applications — ■Veera Baladandayuthapani, The University of Texas M.D. Anderson Cancer Center
8:55 AM	Constrained Clustering in Linear Array with Applications in Genetics and Microbiology — ■Samiran Ghosh, Indiana University Purdue University, Indianapolis; Jeffrey Townsend, Yale University; Dipak Dey, University of Connecticut
9:15 AM	Nonparametric Clustering of Discrete Functional Data — ■Haiyan Wang, Kansas State University
9:35 AM	Cluster-Analytic Health State Modeling — ■Catherine A. Sugar, University of California, Los Angeles
9:55 AM	A Mixture Model Approach in Gene-Gene and Gene-Environmental Interactions — ■Lang Li, Indiana University
10:15 AM	Floor Discussion

		Add To My Program
90	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-608
Statistical Issues in Medical Device Studies - Topic Contributed - Papers		
Biopharmaceutical Section, WNAR, Section on Health Policy Statistics, Biometrics Section		
<i>Organizer(s): Gregory Campbell, U.S. Food and Drug Administration, Elizabeth Galle, Boston Scientific Corporation</i>		
<i>Chair(s): Gregory Campbell, U.S. Food and Drug Administration</i>		
8:35 AM	Meta-Analysis of Pedicle Screw in Spinal Fusion — ■ Harry F. Bushar, U.S. Food and Drug Administration; Hollington T.C. Lu, U.S. Food and Drug Administration	
8:55 AM	Drug Release Behavior in Drug-Eluting Stents — ■ Shanti Gomatam, U.S. Food and Drug Administration	
9:15 AM	A Permutation Test for a Weighted Measure of Survival Difference with Application to the Stent Thrombosis Examination in Coronary Stenting Trial — ■ Jin Wang, Abbott Vascular	
9:35 AM	Comparison of Individual Patient-Level and Study-Level Meta-Analyses Using Time-to-Event Analysis in Drug-Eluting Stent Data — ■ Hsini Liao, Boston Scientific Corporation; Yun Lu, Boston Scientific Corporation; Hong Wang, Boston Scientific Corporation	
9:55 AM	Statistical Issues for Combining Clinical Data from Medical Device Multicenter Trials — ■ Chang S. Lao, U.S. Food and Drug Administration; Harry F. Bushar, U.S. Food and Drug Administration	
10:15 AM	Floor Discussion	
		Add To My Program
91	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-109
Modern Statistical Machine Learning for Complex and High-Dimensional Data - Topic Contributed - Papers		
IMS, Section on Nonparametric Statistics, Section on Physical and Engineering Sciences, Section on Statistical Computing, WNAR		
<i>Organizer(s): Yufeng Liu, The University of North Carolina at Chapel Hill</i>		
<i>Chair(s): Zhengyuan Zhu, The University of North Carolina at Chapel Hill</i>		
8:35 AM	Local Quasi-Likelihood Method with a Parametric Guide — ■ Yichao Wu, Princeton University; Jianqing Fan, Princeton University; Yang Feng, Princeton University	

8:55 AM	Variable Selection in Nonparametric Varying-Coefficient Models for Analysis of Repeated Measurements — ■Lifeng Wang, University of Pennsylvania; Hongzhe Li, University of Pennsylvania; Jianhua Huang, Texas A&M University
9:15 AM	High-Dimensional Variable Selection via Nonnegative Garotte — ■Jian Zhang, Purdue University
9:35 AM	Feature Selection and Grouping for High-Dimensional Classification Using the OSCAR-SVM — ■Dhruv Sharma, North Carolina State University; Howard Bondell, North Carolina State University; Hao H. Zhang, North Carolina State University
9:55 AM	Floor Discussion

		Add To My Program
92	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-602

NCHS Survey Programs - Topic Contributed - Papers

Section on Government Statistics, Section on Survey Research Methods, Social Statistics Section

Organizer(s): Jane F. Gentleman, National Center for Health Statistics

Chair(s): Peter Meyer, National Center for Health Statistics

8:35 AM	Using the National Health and Nutrition Examination Survey (NHANES) To Evaluate Health Disparities — ■Vicki L. Burt, National Center for Health Statistics; Lester R. Curtin, Centers for Disease Control and Prevention; Cindy Zhang, Harris Corporation
8:55 AM	Using the National Health Care Surveys To Monitor Disparities in Health Care — ■Nancy Sonnenfeld, National Center for Health Statistics; Jane E. Sisk, National Center for Health Statistics; John E. Orban, Battelle
9:15 AM	Vital Statistics: Vital to the Measurement of Health Disparities — ■Charles J. Rothwell, National Center for Health Statistics
9:35 AM	Using National Health Interview Survey (NHIS) Data and State and Local Area Integrated Telephone Survey (SLAITS) Data To Study Health Disparities — ■Jane F. Gentleman, National Center for Health Statistics
9:55 AM	Disc: Diane M. Makuc, National Center for Health Statistics
10:15 AM	Floor Discussion

		Add To My Program
93 🟡	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-111

Ranked Set Sampling - Topic Contributed - Papers

Section on Nonparametric Statistics, Section on Government Statistics, Section on Survey Research Methods

Organizer(s): Omer Ozturk, The Ohio State University

Chair(s): Jesse Frey, Villanova University

8:35 AM	Applications of Ranked Set Sampling to Genetic Studies — ■Gang Zheng, National Heart, Lung, and Blood Institute; Chen Zehua, National University of Singapore; Kaushik Ghosh, University of Nevada, Las Vegas; Zhaohai Li, The George Washington University
8:55 AM	Some Further Generalizations of Ranked Set Sampling — ■Kaushik Ghosh, University of Nevada, Las Vegas; Ram C. Tiwari, National Cancer Institute
9:15 AM	Nonparametric Maximum Likelihood Estimator of Bohn-Wolfe Model — ■Omer Ozturk, The Ohio State University
9:35 AM	Confidence Intervals Estimation of the Location Parameter of the Logistic Distribution Using Ranked Set Sampling — ■Hassen A. Muttlak, KFUPM
9:55 AM	Sequential Unbalanced Ranked Set Sampling — ■Nader M. Gemayel, The Ohio State University; Douglas Wolfe, The Ohio State University; Elizabeth Stasny, The Ohio State University
10:15 AM	Floor Discussion

[Add To My Program](#)

94 ●

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-708

Value-Added Models for Student Achievements - Topic Contributed - Papers

Social Statistics Section, Section on Survey Research Methods

Organizer(s): Shawn Ni, University of Missouri-Columbia

Chair(s): James R. Chromy, RTI International

8:35 AM	Value-Added and Test-Score Ceiling Effects — ■Cory R. Koedel, University of Missouri-Columbia; Julian R. Betts, University of California, San Diego
8:55 AM	The Sensitivity of Teacher Effect Estimates to Decision Rules for Establishing Student-Teacher Links — ■Matthew Springer, Peabody College of Vanderbilt University; Bing Han, RAND Corporation
9:15 AM	Does a Teacher's Value Added Require Data To Be Missing at Random? — ■Daniel McCaffrey, RAND Corporation; J. R. Lockwood, RAND Corporation
9:35 AM	Estimating Teacher Effects from Longitudinal Data Without Assuming Vertical Scaling — ■Louis T. Mariano, RAND Corporation; Daniel McCaffrey, RAND Corporation; J. R. Lockwood, RAND Corporation

9:55 AM	Estimating Dynamic Panel Data Models with Measurement Errors — ■Shawn Ni, University of Missouri-Columbia; Michael Podgursky, University of Missouri-Columbia
10:15 AM	Floor Discussion
Add To My Program	
95	Mon, 8/4/08, 8:30 AM - 10:20 AM CC-101
Student Paper Competition: Bayesian Methods - Topic Contributed - Papers	
Section on Bayesian Statistical Science	
<i>Organizer(s): David A. van Dyk, University of California, Irvine</i>	
<i>Chair(s): Dipak Dey, University of Connecticut</i>	
8:35 AM	A Bayesian Hierarchical Model with Curve Selection for Functional Data Classification — ■Hongxiao Zhu, Rice University; Marina Vannucci, Rice University; Dennis D. Cox, Rice University
8:55 AM	Asymptotic Comparisons of Predictive Densities for Dependent Observations — ■Xuanyao He, The University of North Carolina at Chapel Hill; Richard L. Smith, The University of North Carolina at Chapel Hill; Zhengyuan Zhu, The University of North Carolina at Chapel Hill
9:15 AM	On Bayesian Inference for Generalized Multivariate Gamma Distributions — ■Sourish Das, University of Connecticut; Dipak Dey, University of Connecticut
9:35 AM	Efficiently Estimating Personal Network Size — ■Tyler H. McCormick, Columbia University; Matthew Salganik, Princeton University; Tian Zheng, Columbia University
9:55 AM	Another Look at Macroeconomic Forecasting: Aggregation vs. Disaggregation — ■Kun Ho Kim, The University of Chicago
10:15 AM	Floor Discussion
Add To My Program	
96	Mon, 8/4/08, 8:30 AM - 10:20 AM CC-106
Best Practices in Statistics Training: Lessons Learned from VIGRE Programs - Topic Contributed - Panel	
Section on Statistical Education	
<i>Organizer(s): Deborah Nolan, University of California, Berkeley</i>	
<i>Chair(s): Robert Smidt, California Polytechnic State University</i>	
Abstract:	Best Practices in Statistics Training: Lessons Learned from VIGRE Programs

Panelists:	<ul style="list-style-type: none"> ■ Tilmann Gneiting, University of Washington ■ Susan Holmes, Stanford University ■ Robert Kass, Carnegie Mellon University ■ Sastry Pantula, North Carolina State University ■ John Rice, University of California, Berkeley 	
10:15 AM	Floor Discussion	
		Add To My Program
97	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-702
Statistical Disclosure Control - Contributed - Papers		
Section on Survey Research Methods , Section on Government Statistics, Social Statistics Section		
<i>Chair(s): Brian J. Meekins, Bureau of Labor Statistics</i>		
8:35 AM	Translating Disclosure Risk of Geographic Units to Survey Respondents: A Hierarchical Assessment of Contextual Data — ■ Kristine M. Witkowski, The University of Michigan	
8:50 AM	A Multiple Imputation Approach to Disclosure Limitation for High-Age Individuals in Longitudinal Studies — ■ Di An, Merck & Co., Inc.; Roderick J. Little, The University of Michigan	
9:05 AM	The Effect of Measurement Error and Under-Coverage Error on Disclosure Risk Assessments — ■ Mandi Yu, The University of Michigan; Trivellore Raghunathan, The University of Michigan	
9:20 AM	Combining Statistical Disclosure Limitation Methods To Create Synthetic Data — ■ Jennifer C. Hockett, Iowa State University; Michael D. Larsen, Iowa State University	
9:35 AM	Achieving Analytic Potential While Protecting Data Confidentiality — Fritz Scheuren, The University of Chicago; ■ James Sears, U.S. Social Security Administration	
9:50 AM	A Unified Theory of Randomized Response Surveys of Binary Characteristics — ■ Tapan K. Nayak, The George Washington University	
10:05 AM	Randomized Response Model in a Matched Pair Study — ■ Chien-Hua Wu, Chung-Yuan Christian University	
		Add To My Program
98	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-601
Nonresponse Bias Analysis - Contributed - Papers		

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section

Chair(s): Meena Khare, National Center for Health Statistics

8:35 AM	Nonresponse Bias in the American Time Use Survey — ■Phawn Letourneau, U.S. Census Bureau; Andrew Zbikowski, U.S. Census Bureau
8:50 AM	Using a Large-Scale Field Study To Estimate Nonresponse and Noncoverage Biases in an RDD Survey — ■Wendy VanDeKerckhove, Westat, Inc.; Jill Montaquila, Westat, Inc.; J. Michael Brick, Westat, Inc.
9:05 AM	A Study of SES Bias and Nonresponse in a Large-Scale Household Survey — ■Orlaith Burke, University College Dublin; Patrick E. Murphy, University College Dublin; Richard Sinnott, University College Dublin
9:20 AM	Identifying Nonresponse Bias Using a Survey Subset in Follow-Up — ■Harper Gordek, RTI International; Patrick Chen, RTI International; Judith Lynch, RTI International; Thomas Morgan, RTI International
9:35 AM	Sensitivity Analysis of Nonresponse Bias in the Current Population Survey — ■John Dixon, Bureau of Labor Statistics
9:50 AM	Proxy Pattern-Mixture Analysis for Survey Nonresponse — ■Rebecca Andridge, The University of Michigan; Roderick J. Little, The University of Michigan
10:05 AM	Analyses of Nonresponse Bias Resulting from Failure To Obtain Consent To Contact Vaccination Providers and Provider Nonresponse in the National Immunization Survey — ■Benjamin Skalland, National Opinion Research Center; Robert Montgomery, National Opinion Research Center; Philip J. Smith, Centers for Disease Control and Prevention

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99 **Mon, 8/4/08, 8:30 AM - 10:20 AM** **CC-701**

Environmental Statistics - Contributed - Papers

Section on Statistics and the Environment, Section on Risk Analysis

Chair(s): Robert L. James, Rho, Inc.

8:35 AM	Wind Forecasting Models and Loss Function — ■Amanda S. Hering, Texas A&M University; Marc G. Genton, University of Geneva
8:50 AM	Probabilistic Wind Forecasting Using Bayesian Model Averaging — ■J. McLean Sloughter, University of Washington
9:05 AM	Test of Homogeneity in Some Cyclic Predator-Prey Systems — ■Severien Nkurunziza, University of Windsor

9:20 AM	Introducing the S-Value: An Exploratory Tool for Spatial Dependence on a Lattice — ■ Petrutza Caragea, Iowa State University; Mark Kaiser, Iowa State University
9:35 AM	Adapting a Local Indicator of Spatial Association To Identify Hot Spots in Traffic Safety — ■ Elke A. Moons, Hasselt University; Tom Brijs, Hasselt University; Geert Wets, Hasselt University
9:50 AM	Mixture Methods for the Analysis of Flood Frequency Distributions — ■ John Grego, University of South Carolina; Philip Yates, California State Polytechnic University, Pomona
10:05 AM	Floor Discussion

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100 ▲

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-108

Statistics as Liberal Arts, Communication, Critical Thinking, and Outreach - Contributed - Papers

Section on Statistical Education

Chair(s): Erin Blankenship, University of Nebraska-Lincoln

8:35 AM	Teaching Statistics as Part of a Learning Community — ■ Yvonne M. Zubovic, Indiana University Purdue University, Fort Wayne
8:50 AM	SiSSYS: Reflections from a Capstone Course Using Sports Data — ■ Michael Schuckers, St. Lawrence University; Robin Lock, St. Lawrence University; Travis Atkinson, St. Lawrence University
9:05 AM	Social Justice, Gender Equity, and Service Learning in Statistics Education: Lessons Learned from the DOE-Funded Project ACE — ■ Lawrence M. Lesser, The University of Texas at El Paso
9:20 AM	Interesting Examples of the Use and Misuse of Statistics from the Law — ■ Harry J. Norton, Carolinas Medical Center
9:35 AM	Consulting Activities and Introductory Course Topics: The Chicken, the Egg, and the Chef? — ■ Jim Bentley, University of Redlands
9:50 AM	The 'Parknership' Research Program Between the Florida Park Service and Florida Atlantic University's Honors College — ■ Stephanie Fitchett, University of Northern Colorado; Hank Smith, Florida Atlantic University/Florida Park Service
10:05 AM	Floor Discussion

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101

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-105

Nonparametrics and Functional Data Analysis - Contributed - Papers		
Section on Statistical Computing , Section on Nonparametric Statistics, IMS		
<i>Chair(s): Shunpu Zhang, University of Nebraska-Lincoln</i>		
8:35 AM	Functional Component Pursuit for Small N, Large P Data — Yoonkyung Lee, The Ohio State University; ■Yonggang Yao, The Ohio State University	
8:50 AM	Large-Scale Clustering of Dependent Curves — ■Huijing Jiang, Georgia Institute of Technology; Nicoleta Serban, Georgia Institute of Technology	
9:05 AM	Polynomial Spline Independent Component Analysis with Application to fMRI Data — ■Atsushi Kawaguchi, The University of North Carolina at Chapel Hill; Young K. Truong, The University of North Carolina at Chapel Hill; Xuemei Huang, The University of North Carolina at Chapel Hill	
9:20 AM	A Spatial Spline Algorithm and an Application to Climate Waves Over the United States — ■Derek D. Cyr, University at Albany; Igor G. Zurbenko, University at Albany	
9:35 AM	Nonparametric Density Deconvolution by Weighted Kernel Estimators — ■Berwin A. Turlach, National University of Singapore; Martin L. Hazelton, Massey University	
9:50 AM	On the Change-Point Regression by Local h-Order Polynomial Kernel Estimators — ■Bo Zhang, The University of Minnesota; Zhihua Su, The University of Minnesota; Peihua Qiu, The University of Minnesota	
10:05 AM	Statistical Inference for Dynamic Models with the Generalized Profiling Method — ■Jiguo Cao, Simon Fraser University	
		Add To My Program
102	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-705
Recent Developments in Control Charts and Profile Monitoring - Contributed - Papers		
Section on Quality and Productivity , Section on Physical and Engineering Sciences		
<i>Chair(s): Willis Jensen, W.L. Gore & Associates</i>		
8:35 AM	A Distribution-Free, Shewhart-Type Quality Control Chart for Detecting a General Change in a Process — ■Saad T. Bakir, Alabama State University	
8:50 AM	Profile Monitoring for Attributes Data — ■Arthur Yeh, Bowling Green State University	
9:05 AM	Monitoring Profile Data: A Likelihood Ratio Test Approach — ■Junjia Zhu, The Pennsylvania State University	

9:20 AM	Diagnostics After a Signal from Control Charts in a Normal Process — ■Jianying Lou, Virginia Polytechnic Institute and State University; Marion R. Reynolds, Jr., Virginia Polytechnic Institute and State University; Dong-Yun Kim, Virginia Polytechnic Institute and State University	
9:35 AM	CUSUM Charts with Censored Ordinal Categorical Data — ■Denisa A. Olteanu, Virginia Polytechnic Institute and State University	
9:50 AM	Control Charts with Missing Observations — ■Sara R. Wilson, Virginia Polytechnic Institute and State University; Marion R. Reynolds, Jr., Virginia Polytechnic Institute and State University	
10:05 AM	A Residual-Based Hotelling's T^2 Chart — Soren Bisgaard, University of Massachusetts Amherst; ■Xuan Huang, University of Massachusetts Amherst	
Add To My Program		
103	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-113
Nonparametric Identification of Densities, Features, Mixtures, Shapes, and Images - Contributed - Papers		
Section on Nonparametric Statistics, IMS		
<i>Chair(s): Shojaeddin Chenouri, University of Waterloo</i>		
8:35 AM	Analysis of the Shape of Unimodal Densities with Nonparametric Density Estimation — ■Jussi Klemela, University of Oulu	
8:50 AM	A Nonparametric Kurtosis Ordering for Multivariate Distributions — ■Jin Wang, Northern Arizona University; Weihua Zhou, The University of North Carolina, Charlotte	
9:05 AM	Nonparametric Estimation in Multivariate Mixture Models — ■Tatiana Benaglia, The Pennsylvania State University; David Hunter, The Pennsylvania State University; Didier Chauveau, Université d'Orléans, France	
9:20 AM	L2 Estimation of Mixture Complexity — ■Umashanger Thayasivam, The University of Georgia; T. N. Sriram, The University of Georgia	
9:35 AM	Probabilistic Watermark Detection in Movies — Sam Behseta, California State University, Bakersfield; Charles Lam, California State University, Bakersfield; ■Robert Webb, California Polytechnic State University	
9:50 AM	Density Estimation Through Kernel Estimation-Based ECF — ■Mawia Kaddoura, The Petroleum Institute; Michael Conerly, The University of Alabama	
10:05 PM	Floor Discussion	
Add To My Program		

104	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-706
Model Selection, Matching, and Meta-Analysis - Contributed - Papers		
Section on Health Policy Statistics, Biopharmaceutical Section, Section on Statistics in Epidemiology		
<i>Chair(s): Min Annie Lin, Duke University School of Medicine</i>		
8:35 AM	Use of Propensities with Unmeasured Confounders — ■ David Nelson, Minneapolis VA Medical Center; Siamak Noorbaloochi, VAMC and University of Minnesota	
8:50 AM	Bayesian Models for the Meta-Analysis of Sparse Tables — ■ Eloise Kaizar, The Ohio State University; Joel Greenhouse, Carnegie Mellon University; Howard Seltman, Carnegie Mellon University	
9:05 AM	The Essential Role of Pair Matching in Cluster-Randomized Experiments, with Application to the Mexican Universal Health Insurance Evaluation — ■ Kosuke Imai, Princeton University; Gary King, Harvard University; Clayton Nall, Harvard University	
9:20 AM	Model Selection for Individualized Treatment Rules — ■ Min Qian, The University of Michigan; Susan A. Murphy, The University of Michigan	
9:35 AM	Model Comparison for Association Between Hospital Performance and Hospital Characteristics: Proportional or Hierarchical Binary Outcomes — ■ Jacob J.H. Cheng, Maryland Hospital Association; Carlos F. Alzola, Data Insights; Nikolas Matthes, Maryland Hospital Association	
9:50 AM	Longitudinal Data with Follow-Up Truncated by Death: Communicating a Match Between Analysis Method and Research Aims — ■ Laura L. Johnson, National Center for Complementary and Alternative Medicine; Brenda Kurland, Fred Hutchinson Cancer Research Center; Paula Diehr, University of Washington	
10:05 AM	Floor Discussion	
		Add To My Program
105	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-107
Modeling, Estimation, and Testing for Stochastic Processes - Contributed - Papers		
IMS		
<i>Chair(s): Andrew Golightly, Newcastle University</i>		
8:35 AM	Statistical Tests for the Detection of a Self-Regulation Property for Poisson-Type Point Processes — ■ Franz Streit, University of Geneva	
8:50 AM	Finding the Recurrent Sets for a Markov Chain Possessing Monotonically Decreasing Nonhomogeneity — ■ Zach Dietz, Hamilton College	

9:05 AM	Multivariate Stationary Processes with Increments — ■ Chunfeng Huang, Indiana University; Tailen Hsing, The University of Michigan
9:20 AM	Finite-Sample Properties of a System Reliability Estimator Under Imperfect Debugging — ■ Marcus Agustin, Southern Illinois University Edwardsville; Zenia Agustin, Southern Illinois University Edwardsville
9:35 AM	Nonparametric Covariogram Estimation Based on Irregularly Spaced Spatial Data — ■ Soutir Bandyopadhyay, Texas A&M University; Soumendra N. Lahiri, Texas A&M University
9:50 AM	Nonexplosion of a Class of Semilinear Partial Differential Equations via Branching Particle Representations — ■ Santanu Chakraborty, University of Texas - Pan American; Jose A. Lopez Mimbela, Centro de Investigacion en Matematicas
10:05 AM	Floor Discussion

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106

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-112

Bayesian Methods; Ridge Regression - Contributed - Papers

Business and Economics Statistics Section, Section on Bayesian Statistical Science

Chair(s): Nalini Ravishanker, University of Connecticut

8:35 AM	A Bayesian Approach to Nonparametric Monotone Function Estimation — ■ Tom Shively, The University of Texas at Austin; Tom Sager, The University of Texas at Austin
8:50 AM	Score-Based Portfolio Strategy in Bayesian View — ■ Timothy H. Lee, CRM
9:05 AM	Bayesian Inference in the Time-Varying Cointegration Model — Gary Koop, University of Strathclyde; ■ Roberto Leon-Gonzalez, GRIPS; Rodney Strachan, University of Strathclyde
9:20 AM	Generalized Maximum Entropy Estimation of the Parameters of Production and Demand Functions in the Framework of CGE Models — ■ Tiziana Laureti, University of Tuscia; Guido Ferrari, University of Florence; Luca Secondi, University of Florence
9:35 AM	Stochastic Volatility Model with Regime Switching — ■ Lu Zhang, The Pennsylvania State University; John Liechty, The Pennsylvania State University
9:50 AM	Floor Discussion

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107

Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-606

Longitudinal Data Analysis I - Contributed - Papers		
Biometrics Section , Biopharmaceutical Section, Section on Statistics in Epidemiology, Section on Survey Research Methods		
<i>Chair(s): Zhangsheng Yu, The Ohio State University</i>		
8:35 AM	Canonical Correlation Analysis of Longitudinal Data — ■Dayanand N. Naik, Old Dominion University; Jayesh Srivastava, High Point Insurance	
8:50 AM	Inverse Regression from Longitudinal Data — ■Geoffrey Jones, Massey University	
9:05 AM	State Space Representation of an Autoregressive Linear Mixed Effects Model for the Analysis of Longitudinal Data — ■Ikuko Funatogawa, Teikyo University School of Medicine; Takashi Funatogawa, Chugai Pharmaceutical Co. LTD.	
9:20 AM	Estimation of Disease Progression in Amyotrophic Lateral Sclerosis Using Muscle Electrical Properties — ■Catherine Stamoulis, Harvard School of Public Health; Rebecca Betensky, Harvard University; Seward Rutkove, Harvard Medical School	
9:35 AM	Comparison Between Analysis of Variance and Spectral Decomposition in the Mixed-Effects Models — ■Mixia Wu, National Institute of Child Health and Human Development; Kai Fun Yu, National Institutes of Health; Aiyi Liu, National Institute of Child Health and Human Development	
9:50 AM	Marginalized Transition Models for Longitudinal Count Data — ■Keunbaik Lee, Louisiana State University Health Sciences Center; Michael Daniels, University of Florida; Yongsung Joo, University of Florida	
10:05 AM	Floor Discussion	
Add To My Program		
108	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-610-612
Pathway Analysis Methods in Genomics - Contributed - Papers		
Biometrics Section, IMS		
<i>Chair(s): Xin He, The Ohio State University</i>		
8:35 AM	Exploring Liquid Association in Non-Gaussian Multivariate Distributions — ■Yen-Yi Ho, Johns Hopkins University; Leslie Cope, Johns Hopkins University; Giovanni Parmigiani, Johns Hopkins University	
8:50 AM	Concordant Association with Multiple Phenotypes Analysis of Microarray Gene Expression Data — ■Stanley B. Pounds, St. Jude Children's Research Hospital	

9:05 AM	Combining P-Values on Testing the Significance of Groups of Genes — ■Hongmei Jiang, Northwestern University	
9:20 AM	Dynamic Weighted Clustering with Noise Set — ■Yijing Shen, University of California, Los Angeles; Wei Sun, The University of North Carolina at Chapel Hill; Kerchau Li, University of California, Los Angeles	
9:35 AM	Identify Relevant Genes for Classification of Microarray Samples Using Partial Least Squares — ■Ying Chen, University of California, Davis	
9:50 AM	A Hidden Markov Model Approach to Testing Multiple Hypotheses on a Directed Acyclic Graph — ■Kun Liang, Iowa State University; Dan Nettleton, Iowa State University	
10:05 AM	Floor Discussion	
Add To My Program		
109 ●	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-607
Statistical Inference in Clinical Trials - Contributed - Papers		
Biopharmaceutical Section, Biometrics Section		
<i>Chair(s): Amy Ko, Merck & Co., Inc.</i>		
8:35 AM	Testing the Assumption in Several Two-Sided Amalgamation-Based Tests for Dose Response — ■Arthur Roth, Pfizer, Inc.	
8:50 AM	Preference-Based Estimates of Treatment Efficacy Among Compliant Patients in a Randomized Clinical Trial with a Continuous Outcome — ■Afisi S. Ismaila, McMaster University; Stephen Walter, McMaster University	
9:05 AM	Analysis of Skewed Distribution: Transformation or Robust Regression — ■Hongwei Wang, Merck Research Laboratories; Arvind K. Shah, Merck Research Laboratories	
9:20 AM	Statistical Power Simulations on the Choice of Baselines in Clinical Trials — ■Din Chen, South Dakota State University; Pinggao Zhang, Global Biometrics	
9:35 AM	Identification of Promising Subgroups in the Retrospective Analysis of Clinical Trials — ■Ilya Lipkovich, Eli Lilly and Company; Alex Dmitrienko, Eli Lilly and Company; Eric Su, Eli Lilly and Company; Jonathan Denne, Eli Lilly and Company; Gregory Enas, Eli Lilly and Company	
9:50 AM	Identifying Endpoints and Analysis Methodologies in the Assessment of Treatment Effects on Nocturia Episodes in Patients with Overactive Bladders — Xiaojiang Zhan, Merck & Co., Inc.; ■Liang Chen, Merck & Co., Inc.; Weili He, Merck Research Laboratories	
10:05 AM	Floor Discussion	

		Add To My Program
110  	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-711
Nonlinear Models in Drug Development - Contributed - Papers		
Biopharmaceutical Section, Biometrics Section		
<i>Chair(s): J. Brooke Marshall, Merck Research Laboratories</i>		
8:35 AM	Clinical Statisticians' New Challenge: Pharmacokinetic/Pharmacodynamic Modeling and Simulation —  Kuenhi Tsai, Merck & Co., Inc.; Alan Hartford, Merck & Co., Inc.; Huafeng Zhou, Merck & Co., Inc.; Michael Hesney, Merck & Co., Inc.	
8:50 AM	On the Use and Challenge of Emax Model for Assessing Drug Interaction in Combination Studies —  Diane D. Liu, The University of Texas M.D. Anderson Cancer Center; Heather Y. Lin, The University of Texas M.D. Anderson Cancer Center; J. Jack Lee, The University of Texas M.D. Anderson Cancer Center	
9:05 AM	An Algorithm for Warfarin Dosing Using Nonlinear Mixed Effects Models —  Kerrie Nelson, Massachusetts General Hospital; David Schoenfeld, Massachusetts General Hospital	
9:20 AM	Using Genetic Algorithms To Find Starting Values for Fitting Nonlinear Models —  Haiyuan Zhu, Merck Research Laboratories	
9:35 AM	Functional Data Analysis for ECG T-Wave Modeling —  Yingchun Zhou, National Institute of Statistical Sciences; Nell Sedransk, National Institute of Statistical Sciences	
9:50 AM	A New Approach for Finding Global Minima in Nonlinear Least Squares Regression —  Leonid A. Khinkis, Canisius College; Milburn E. Crotzer, Canisius College	
10:05 AM	Floor Discussion	
		Add To My Program
111 	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-604
Model-Fitting - Contributed - Papers		
Section on Statistics in Epidemiology, Biometrics Section		
<i>Chair(s): Pang Du, Virginia Polytechnic Institute and State University</i>		

8:35 AM	Finding Factors Influencing Risk: Comparing Variable Selection Methods Applied to Logistic Regression Models of Cases and Controls — ■ Michael D. Swartz, The University of Texas M.D. Anderson Cancer Center; Robert K. Yu, The University of Texas M.D. Anderson Cancer Center; Sanjay Shete, The University of Texas M.D. Anderson Cancer Center
8:50 AM	Bayesian Analysis of Covariate Profiles — ■ John T. Molitor, Imperial College, London; Michail Papatomas, Imperial College, London; Sylvia Richardson, Imperial College, London
9:05 AM	Variable Selection in Linear Mixed Model: A New Algorithm Incorporating Investigator Preference and Nonmissingness of Data — ■ Abu Minhajuddin, The University of Texas Southwestern Medical Center; Hrishikesh Chakraborty, RTI International
9:20 AM	'Treatment - Outcome Complex' and Analysis of Observational Data — ■ Lev S. Sverdlov, Schering-Plough Research Institute
9:35 AM	Length Optimal Interval Estimators for Multicenter Trials — ■ Peng Zhang, Harvard University; Hajime Uno, Harvard University; Lee-Jen Wei, Harvard University
9:50 AM	Stochastic Dynamics and Dynamical Systems in Biosystem Modeling — ■ Huitian Lu, South Dakota State University; Jin Kai, Texas A&M University, Kingsville; Amy Wang, Golden Computing Technology Solutions
10:05 AM	Floor Discussion

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Mon, 8/4/08, 8:30 AM - 10:20 AM

CC-F Lobby

Invited Poster Presentations: Class Projects - Invited - Poster Presentations

Section on Statistical Education

Organizer(s): Phyllis J. Curtiss, Grand Valley State University

Chair(s): John Castelloe, SAS Institute Inc.

Poster Topic: Class Projects:

01:	Service Learning Project: Connecting Student Needs with the Community — Neal Rogness, Grand Valley State University; ■ Paul Stephenson, Grand Valley State University
02:	Class Project: Service-Learning in Undergraduate Survey Sampling — ■ John Gabrosek, Grand Valley State University
03:	Class Project: Measuring Student Perceptions of the General Education Program — ■ Whitney B. Miner, Grand Valley State University; Phyllis J. Curtiss, Grand Valley State University

		Add To My Program
113	Mon, 8/4/08, 8:30 AM - 10:20 AM	CC-F Lobby
Contributed Poster Presentations - Contributed - Poster Presentations		
Section on Bayesian Statistical Science, Section on Physical and Engineering Sciences, Section on Statistical Consulting, Section on Statistical Education, Section on Statistics in Epidemiology, Section on Teaching Statistics in the Health Sciences, Section on Quality and Productivity		
<i>Organizer(s): John Castelloe, SAS Institute Inc.</i>		
<i>Chair(s): John Castelloe, SAS Institute Inc.</i>		
Poster Topic: <i>Spatial statistics, spatio-temporal modeling:</i>		
04:	Bayesian Modeling of Wind Fields Using Surface Data Collected Over Land — ■Margaret Short, University of Alaska Fairbanks	
05:	Impact of a Regional Trend on the Estimation of Unconventional Natural Gas Resources Using Local Nonparametric Prediction Models — ■Timothy C. Coburn, Abilene Christian University; Emil D. Attanasi, U.S. Geological Survey; Phillip A. Freeman, U.S. Geological Survey	
06:	Geographic Variability of Asthma Prevalence in Inner City Schools: Chicago Initiative To Raise Asthma Health Equity — ■Laura M. Curtis, Northwestern University; Xingyou Zhang, The Robert Graham Center; Ruchi S. Gupta, Northwestern University & Children's Memorial Hospital; Kevin B. Weiss, Northwestern University	
Poster Topic: <i>Statistical consulting:</i>		
07:	Effective Collaboration: Are Junior Faculty Knowledgeable About How To Work with Statisticians? — ■Brianna C. Bright, University of Oklahoma Health Sciences Center	
08:	Tips for Providing Statistical Consultation to Medical Trainees — ■Christina A. Haines, University of Alberta; Rhonda Rosychuk, University of Alberta	
09:	Projects STATCOM UHasselt — ■Herbert Thijs, Hasselt University; Amparo Y. Castro, Hasselt University; Daniel Martinez, Hasselt University; Vishva Danthurebandara, Hasselt University	
10:	STATCOM at Chicago: Universities Working Together To Serve the Community — ■Meredith Wascher, DePaul University; Bart Phillips, E-B Research, LLC; Diya Zhang, Northwestern University	
11:	Seven Years of STATCOM at Purdue University: Managing a Growing Number of Student Volunteers — Douglas Baumann, STATCOM at Purdue; ■Andrea Rau, Purdue University	

12:	STATCOM at Iowa State: Experiences and Projects in the First Year — ■David Rockoff, Iowa State University; Jennifer C. Huckett, Iowa State University; Anna Peterson, Iowa State University; Jessica Chapman, Iowa State University; Nicholas Beyler, Iowa State University; Jonathan Hobbs, Iowa State University; Timothy Bancroft, Iowa State University
13:	STATCOM at the University of Washington: Implementing a Peer Evaluation System for a Local Fire Department — ■David W. Lockhart, University of Washington; Julian Wolfson, University of Washington; Annette Ghee, University of Washington; Rori Rohlfs, University of Washington
14:	STATCOM at University of Michigan: Making a Michigan Difference - A Promising Beginning — ■Maria Larkina, The University of Michigan
Poster Topic: <i>Statistical education, teaching, and training:</i>	
15:	Classroom Use of R: Coverage Probabilities of Poisson Interval Estimates — ■Lioudmila Belan, California State University, East Bay; Bruce Trumbo, California State University, East Bay; Eric Suess, California State University, East Bay
16:	Real Data with Real Questions: Computer Labs for Introductory and Intermediate Statistics — ■Rosemary Roberts, Bowdoin College; Ann Cannon, Cornell College
17:	Teaching Introductory Statistics with Simulations in JMP Statistical Discovery Software — ■William M. Duckworth, Creighton University; Amy Froelich, Iowa State University; Mark Bailey, SAS Institute Inc.; Wayne Levin, Predictum Management Sciences, Inc.
18:	Teaching Undergraduate Statistics as a Capstone for Mathematics Majors — ■Jeremy Nadolski, Benedictine University
19:	A First Step to Understanding the Difficulty in Teaching Sampling Distributions, Sampling Error, and Statistical Inference — ■S. David Kriska, The Ohio State University; Mark C. Fulcomer, Richard Stockton College of New Jersey; Marcia M. Sass, University of Medicine and Dentistry of New Jersey
20:	Teaching Statistical Consulting — ■Lynn Eudey, California State University, East Bay
21:	A Hunt for Better Features in Teaching an Introductory Statistics Class — ■Julia A. Norton, California State University, East Bay; Yan Yan Zhou, California State University, East Bay; Farnaz Ganjeizadeh, California State University, East Bay
22:	Your Next Teaching Vehicle May Be a Hybrid: Getting More Mileage from the MBA Quant Course — ■Patrick S. Noonan, Emory University

23:	Using the GAISE Guidelines in a Graduate Biomedical Statistical Methods Class — ■Emily H. Sheldon, Virginia Commonwealth University; Jessica M. Ketchum, Virginia Commonwealth University; Al M. Best, Virginia Commonwealth University
24:	A Visual Model for the Variance and Standard Deviation — ■James B. Orris, Butler University
26:	Two-Sample Considerations: From AP Question to Student/Faculty Research — ■Ken Constantine, Taylor University
27:	Random Structures: A Course Bridging Statistics and Mathematics Programs in the Liberal Arts — ■Brian D. Jones, Kenyon College
28:	Active Learning: Bayesian Statistics Modules You Can Include in Your Frequentist First or Second Statistics Course — ■Linda B. Collins, The University of Chicago
29:	Classroom Illustrations of the Construction of Discrete Sampling Distributions — ■Mark C. Fulcomer, Richard Stockton College of New Jersey; S. David Kriska, The Ohio State University; Marcia M. Sass, University of Medicine and Dentistry of New Jersey; Maritza Jauregui, Richard Stockton College of New Jersey
30:	Incorporating Medical Literature in the Statistics Classroom: From Initial Idea to Execution — ■Kirk Anderson, Grand Valley State University
31:	A Synergistic Effort To Recruit Future Biostatisticians in Arkansas High Schools — ■Songthip Ounpraseuth, University fo Arkansas for Medical Sciences; Page C. Moore, University of Arkansas for Medical Sciences
32:	Recruiting Undergraduate Statistics Majors and Minors — ■Phyllis J. Curtiss, Grand Valley State University; Paul Stephenson, Grand Valley State University

Poster Topic: *QC, operation research, risk assessment:*

33:	Analysis of Sampled Fishbone Diagrams for Completeness and Size of a Second Stage — ■Frank Matejcik, South Dakota School of Mines & Technology
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		Add To My Program
203653	Mon, 8/4/08, 9:00 AM - 1:00 PM	CC--South Shuttle Bus Drop Off/14th & California

TR04 - Mile High Historical Tour

Start at the Auraria College Campus and the 9th Street Historic Park before heading to the Brown Palace Hotel. Next, stop at "unsinkable" Molly Brown's house for a tour, and then on to the Byers-Evans house, home to the family of William Gray Evans. Advance Tickets: \$48 per person; On-site Tickets: \$53 per person

		Add To My Program
	Mon, 8/4/08, 9:00 AM - 10:00 AM	HY-Agate A
Transportation Statistics Interest Group Annual Meeting		
Transportation Statistics Interest Group		
<i>Organizer(s): Promod Chandhok, U.S. Department of Transportation</i>		
		Add To My Program
	Mon, 8/4/08, 9:00 AM - 10:00 AM	HY-Sandstone
Mu Sigma Rho National Statistical Honor Society		
Mu Sigma Rho		
<i>Organizer(s): Christine Franklin, The University of Georgia</i>		
		Add To My Program
	Mon, 8/4/08, 9:00 AM - 6:00 PM	CC-Exhibit Hall F
EXPO 2008		
		Add To My Program
	Mon, 8/4/08, 9:00 AM - 5:00 PM	CC-A Lobby
ASA Marketplace		
		Add To My Program
	Mon, 8/4/08, 9:00 AM - 6:00 PM	CC-Exhibit Hall F
American Statistical Association Booth #101		
		Add To My Program
	Mon, 8/4/08, 9:00 AM - 10:00 AM	HY-Granite A
Council of Chapters Governing Board Planning Meeting (closed)		
Council of Chapters		

Chair(s): B. Christine Clark, ReSearch Pharmaceutical Services, Inc.

		Add To My Program
203655	Mon, 8/4/08, 9:30 AM - 12:30 AM	CC--South Shuttle Bus Drop Off/14th & California

TR05 - Coors Brewery Tour

The Coors brewery in Golden, about 30 minutes west of Denver, is the largest single brewing site in the world. See the entire brewing process, from germinating barley to bottling. After the tour, sample Coors' products and explore the gift shop. Advance Tickets: \$35 per person; On-site Tickets: \$40 per person

		Add To My Program
	Mon, 8/4/08, 10:00 AM - 11:30 AM	HY-Mineral Hall B

Meeting of Caucus of Academic Representatives

ASA Caucus of Academic Representatives

Chair(s): Dalene Stangl, Duke University

		Add To My Program
	Mon, 8/4/08, 10:00 AM - 12:00 PM	HY-Granite A

Council of Chapters Governing Board Executive Committee Meeting (closed)

Council of Chapters

Chair(s): B. Christine Clark, ReSearch Pharmaceutical Services, Inc.

		Add To My Program
	Mon, 8/4/08, 10:00 AM - 12:00 PM	HY-Granite B

Council of Chapters Governing Board Chapter Status Committee Meeting (closed)

Council of Chapters

Chair(s): John Boyer, Kansas State University

		Add To My Program
	Mon, 8/4/08, 10:00 AM - 11:30 AM	HY-Granite C

APLIA Meeting I		
Aplia		
<i>Organizer(s): Kimberly Wolyn, Cengage Learning</i>		
		Add To My Program
	Mon, 8/4/08, 10:00 AM - 12:30 PM	HY-Capitol Ballroom 1
Pearson Focus Group (closed)		
Pearson		
<i>Organizer(s): Dona Kenly, Pearson Group</i>		
		Add To My Program
	Mon, 8/4/08, 10:15 AM - 10:45 AM	CC-Various Locations
JSM Coffee Break Sponsored by GfK		
		Add To My Program
	Mon, 8/4/08, 10:30 AM - 12:30 PM	HY-Limestone
Advisory Committee on Continuing Education Business Meeting (closed)		
Advisory Committee on Continuing Education		
<i>Chair(s): Eileen King, The Procter & Gamble Co</i>		
		Add To My Program
	Mon, 8/4/08, 10:30 AM - 1:50 PM	CC-208
JSM 2009 Program Committee Meeting (closed)		
JSM 2009 Program Committee		
<i>Chair(s): Wendy Martinez, Office of Naval Research</i>		
		Add To My Program
114	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-703
JASA Theory and Methods Invited Paper Session - Invited - Papers		
JASA, Theory and Methods, Section on Nonparametric Statistics, WNAR		

Organizer(s): Walter W. Piegorsch, The University of Arizona, Stephen L. Portnoy, University of Illinois

Chair(s): Stephen L. Portnoy, University of Illinois

10:35 AM [The Nested Dirichlet Process](#) — ■ Alan Gelfand, Duke University; Abel Rodriguez, University of California, Santa Clara; David Dunson, National Institute of Environmental Health Science

11:20 AM Disc: Wesley O. Johnson, University of California, Irvine

11:35 AM Disc: Peter Mueller, The University of Texas M.D. Anderson Cancer Center

11:50 AM Rejoinder: Alan Gelfand, Duke University

12:05 PM Floor Discussion

[Add To My Program](#)

115 ●

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-709

Warranty and Other Field Reliability Data - Invited - Papers

Section on Physical and Engineering Sciences, Section on Quality and Productivity, SSC

Organizer(s): Luis A. Escobar, Louisiana State University

Chair(s): Luis A. Escobar, Louisiana State University

10:35 AM [Field Reliability Improvement Through Analysis and Modeling of Sensor-Based Data: Opportunities and Challenges](#) — ■ Necip Doganaksoy, General Electric

11:00 AM [Using Experts' Knowledge To Forecast Warranty Claims](#) — ■ Marc Fredette, HEC Montreal

11:25 AM [Warranty Analysis for Cost Reduction and Customer Satisfaction](#) — ■ Jeffrey A. Robinson, General Motors R&D Center

11:50 AM [Using Life Data To Assess the Risk of Product Failure](#) — ■ William Q. Meeker, Iowa State University

12:15 PM Floor Discussion

[Add To My Program](#)

116 ●

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-710

Health/Biological Imprint of Climate and Atmospheric - Invited - Papers

Section on Statistics and the Environment

Organizer(s): Montserrat Fuentes, North Carolina State University

Chair(s): Sudipto Banerjee, The University of Minnesota

10:35 AM	Spatio-Temporal Threshold Models for Relating UV Exposures and Skin Cancer in the Central United States — Laura A. Hatfield, The University of Minnesota; ■Bradley P. Carlin, The University of Minnesota
10:55 AM	The Association Between Short-Term Exposure to Ozone and Risk of Mortality in the United States — ■Michelle L. Bell, Yale University; Roger D. Peng, Johns Hopkins Bloomberg School of Public Health; Aidan McDermott, Johns Hopkins Bloomberg School of Public Health; Scott L. Zeger, Johns Hopkins Bloomberg School of Public Health; Jonathan M. Samet, Johns Hopkins Bloomberg School of Public Health; Francesca Dominici, Johns Hopkins University
11:15 AM	Health Impacts Under Heat Waves — ■Bo Li, National Center for Atmospheric Research; Doug Nychka, National Center of Atmospheric Research
11:35 AM	Health Effects of Chemical Constituents and Sources of Fine Particulate Matter — ■Francesca Dominici, Johns Hopkins University
11:55 AM	Disc: Montserrat Fuentes, North Carolina State University
12:15 PM	Floor Discussion

[Add To My Program](#)

117

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-603

Variable Selection with High-Dimensional Data - Invited - Papers

WNAR, Section on Nonparametric Statistics, Section on Physical and Engineering Sciences, Section on Statistics in Epidemiology, IMS, Biometrics Section

Organizer(s): Gareth M. James, University of Southern California

Chair(s): Ji Zhu, The University of Michigan

10:35 AM	Challenge of Dimensionality in Model Selection and Classification — ■Jianqing Fan, Princeton University; Yingying Fan, Harvard University
11:05 AM	Variable Inclusion and Shrinkage Algorithms — ■Peter Radchenko, University of Southern California; Gareth M. James, University of Southern California
11:35 AM	Fast Regularization Paths — ■Trevor Hastie, Stanford University
12:05 PM	Floor Discussion

[Add To My Program](#)

118 ●

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-706

Bayesian Methods for Diagnostic Test Meta-Analysis - Invited - Papers

Section on Health Policy Statistics, Section on Bayesian Statistical Science, Section on Statistics in Epidemiology

Organizer(s): Anirban Basu, The University of Chicago

Chair(s): Anirban Basu, The University of Chicago

10:35 AM	Bayesian Meta-Analysis of Diagnostic Test Accuracy Studies: Recent Developments — Constantine Gatsonis, Brown University; ■Carolyn Rutter, Group Health Cooperative
11:00 AM	Bayesian Methods for Diagnostics: A Case Study of a Registration Trial — ■Scott M. Berry, Berry Consultants; Donald A. Berry, The University of Texas M.D. Anderson Cancer Center
11:25 AM	Empirical Study of Bayesian Methods for Meta-Analyses of Diagnostic Test Data Using a Large Database of Studies in the Medical Literature — ■Christopher H. Schmid, Tufts Medical Center
11:50 AM	Disc: Vanja Dukic, The University of Chicago
12:10 PM	Floor Discussion

[Add To My Program](#)

119 ● ▲

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-705

Estimating the Exposure to Risk - Invited - Papers

Section on Risk Analysis, Section on Statisticians in Defense and National Security, Section on Health Policy Statistics, Section on Statistics in Epidemiology

Organizer(s): Robert A. Stine, University of Pennsylvania

Chair(s): Edward Melnick, New York University

10:35 AM	A Perspective on Adversarial Risk Analysis — ■Nozer Singpurwalla, The George Washington University
11:00 AM	Sampling Based on Two Types of Prior — ■Michael E. Tarter, University of California, Berkeley; Ai-Chu Wu, Consultant
11:25 AM	Evaluating the Risk and Exposure of Adverse Outcomes of Drug Products: Recent Experiences and Lessons — ■Mark Levenson, U.S. Food and Drug Administration
11:50 AM	Exposure to Risk from Motor Vehicles and Other Consumer Products — ■Duane Steffey, Exponent, Inc.
12:15 PM	Floor Discussion

[Add To My Program](#)

120 ● ▲

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-113

Planets Around Other Suns: Inference and Experimental Design for Exoplanet Studies - Invited - Papers

IMS, Section on Physical and Engineering Sciences, Section on Bayesian Statistical Science

Organizer(s): Thomas Loredo, Cornell University

Chair(s): James Berger, Duke University/SAMSI

10:35 AM [Detecting New Extrasolar Planets with a Bayesian MCMC Kepler Periodogram](#) — ■ Phil Gregory, The University of British Columbia

11:10 AM [Posterior-Guided Importance Sampling for Calculating Marginal Likelihoods, with Application to Bayesian Exoplanet Searches](#) — ■ Jim Crooks, Duke University

11:45 AM Disc: Thomas Loredo, Cornell University

12:05 PM Floor Discussion

[Add To My Program](#)

121 ● ▲

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-605

Adaptive Designs: Perspectives from Academia, Industry, and Regulatory - Invited - Papers

Biopharmaceutical Section, Biometrics Section

Organizer(s): Vivian Yuan, U.S. Food and Drug Administration

Chair(s): Mary A. Foulkes, The George Washington University

10:35 AM [Utility of Bayesian Methods in Early- and Late-Phase Adaptive Design Clinical Trials](#) — ■ Sue-Jane Wang, U.S. Food and Drug Administration

11:00 AM [Population Enrichment Within a Group Sequential Design](#) — ■ Cyrus R. Mehta, Cytel Inc.; Ping Gao, The Medicines Company; James Ware, Harvard University

11:25 AM [Adaptive Designs: Why, How, and When?](#) — ■ Christopher Jennison, University of Bath

11:50 AM Disc: Ralph D'Agostino, Boston University

12:10 PM Floor Discussion

[Add To My Program](#)

122 ● ▲

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-102

The Role of Priors in Bayesian Analysis of Complex, Real-World Problems - Invited - Papers

International Society of Bayesian Analysis, Section on Bayesian Statistical Science, Section on Health Policy Statistics

<i>Organizer(s): Kerrie L. Mengersen, Queensland University of Technology</i>		
<i>Chair(s): Robert Wolpert, Duke University</i>		
10:35 AM	Combining Experts in Prior Elicitation — ■ Judith Rousseau, University Paris Dauphine; Guihenneuc Chantal, University Paris 5; Albert Isabelle, INRA; Donnet Sophie, University Paris Dauphine; Mengersen Kerrie, Queensland University of Technology; Lowchoy Samantha, Queensland University of Technology	
11:05 AM	Bayesian Modeling of Neuron Death — Anthony Pettitt, Queensland University of Technology; ■ Gareth Ridall, Lancaster University	
11:35 AM	Hierarchical Models for Combining Data from Multiple Sources for Risk Assessment — ■ Tianxi Cai, Harvard University; Louise Ryan, Harvard School of Public Health	
12:05 PM	Floor Discussion	
		Add To My Program
123 ● ▲	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-704
Helping Data Users Better Understand the American Community Survey - Invited - Panel		
Section on Government Statistics, Social Statistics Section		
<i>Organizer(s): Susan Schechter, U.S. Census Bureau</i>		
<i>Chair(s): Deborah Griffin, U.S. Census Bureau</i>		
Abstract:	Helping Data Users Better Understand the American Community Survey	
Panelists:	■ John Thompson, National Opinion Research Center ■ Joseph Salvo, NYC Department of City Planning ■ Ken Hodges, Claritas Inc. ■ Kennon Copeland, National Opinion Research Center ■ Linda A. Jacobsen, Population Reference Bureau ■ Peter Lobo, NYC Department of City Planning	
12:05 PM	Floor Discussion	
		Add To My Program
124 ● ▲	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-202
Directing a Biostatistics Core in Biomedical Research - Invited - Panel		
Council of Chapters, Biometrics Section, Biopharmaceutical Section		
<i>Organizer(s): Michael Hudgens, The University of North Carolina at Chapel Hill</i>		
<i>Chair(s): Paul Stewart, The University of North Carolina at Chapel Hill</i>		

Abstract:	Directing a Biostatistics Core in Biomedical Research
Panelists:	<ul style="list-style-type: none"> ■ Michael Kutner, Emory University ■ Karen Bandeen-Roche, Johns Hopkins Bloomberg School of Public Health ■ Joseph Hogan, Brown University ■ KyungMann Kim, University of Wisconsin-Madison ■ Susan Ellenberg, University of Pennsylvania
12:15 PM	Floor Discussion

[Add To My Program](#)

125	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-707
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Communicating Statistics Through Collaborative Problemsolving - Topic Contributed - Papers

Section on Statistical Consulting, Committee on Career Development, Biopharmaceutical Section, Section on Quality and Productivity, Section on Teaching Statistics in the Health Sciences

Organizer(s): Janet Myhre, Mathematical Analysis Research Corp.

Chair(s): Ralph O'Brien, Case Western Reserve University

10:35 AM	Our Collaborative and Value-Creating Problemsolving Process — ■ Arnold Goodman, Collaborative Data Solutions
10:55 AM	Collaborative Problemsolving Case Studies — ■ Janet Myhre, Mathematical Analysis Research Corp.
11:15 AM	Teaching Consulting and Collaboration Skills in a Graduate Statistics Program — ■ Daniel R. Jeske, University of California, Riverside
11:35 AM	Human Challenges to the Collaborative and Value-Creating Problemsolving Process — ■ Doug Zahn, Zahn and Associates
11:55 AM	Disc: Jon Kettenring, Drew University
12:15 PM	Floor Discussion

[Add To My Program](#)

126	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-111
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Integrating Statistics and Bioinformatics Curricula - Topic Contributed - Papers

Section on Teaching Statistics in the Health Sciences, Biopharmaceutical Section, Section on Statistical Education

Organizer(s): John R. Stevens, Utah State University

Chair(s): Robert Oster, The University of Alabama at Birmingham

10:35 AM	Applying the GAISE Framework to a Bioinformatics Course — ■ Monnie McGee, Southern Methodist University
10:55 AM	Introducing Bioinformatics as Part of Statistics Curriculum at Purdue — ■ Olga Vitek, Purdue University
11:15 AM	Strategies for Integrating Biological, Computer, and Statistical Knowledge in Teaching Bioinformatics — ■ Paul Schliekelman, The University of Georgia
11:35 AM	The Flip Side: Teaching Statistics to Bioinformatics Students — ■ Mark Segal, University of California, San Francisco
11:55 AM	Disc: John R. Stevens, Utah State University
12:15 PM	Floor Discussion
Add To My Program	
127 ▲	Mon, 8/4/08, 10:30 AM - 12:20 PM CC-702
Census Coverage Measurement - Topic Contributed - Papers	
Section on Survey Research Methods , Section on Government Statistics, Social Statistics Section	
<i>Organizer(s): Richard A. Griffin, U.S. Census Bureau</i>	
<i>Chair(s): William R. Bell, U.S. Census Bureau</i>	
10:35 AM	Relaxing the Autonomous Independence Assumption for Census Coverage Measurement Dual System Estimates — ■ Richard A. Griffin, U.S. Census Bureau
10:55 AM	Using Continuous Variables as Modeling Covariates for Net Coverage Estimation — ■ Vincent T. Mule, U.S. Census Bureau; Don Malec, U.S. Census Bureau; Jerry Maples, U.S. Census Bureau; Teresa Schellhamer, U.S. Census Bureau
11:15 AM	Direct Estimates as a Diagnostic for Dual System Estimators Based on Logistic Regression — ■ Mary H. Mulry, U.S. Census Bureau; Bruce D. Spencer, Northwestern University; Tom Mule, U.S. Census Bureau; Nganha Nguyen, U.S. Census Bureau; Eric Schindler, U.S. Census Bureau
11:35 AM	Assessing Synthetic Error via Markov Chain Monte Carlo Techniques — ■ Andrew Keller, U.S. Census Bureau
11:55 AM	Demographic Analysis in 2008 and Beyond — ■ Dean Judson, U.S. Census Bureau; J. Gregory Robinson, U.S. Census Bureau; Kirsten K. West, U.S. Census Bureau; Antonio Bruce, U.S. Census Bureau; Bashiruddin Ahmed, U.S. Census Bureau; Frederick W. Hollman, U.S. Census Bureau
12:15 PM	Floor Discussion

		Add To My Program
128	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-610-612
Threshold Regression and Alternative Time Scales - Topic Contributed - Papers		
Biometrics Section, Section on Nonparametric Statistics		
<i>Organizer(s): Mei-Ling T. Lee, The Ohio State University</i>		
<i>Chair(s): David Oakes, University of Rochester</i>		
10:35 AM	Analyzing Longitudinal Survival Data Using Threshold Regression — ■George A. Whitmore, McGill University; Mei-Ling T. Lee, The Ohio State University	
10:55 AM	First-Hitting Time Models with Current Status Data — ■Xin He, The Ohio State University; Xingwei Tong, Beijing Normal University; Jianguo (Tony) Sun, University of Missouri-Columbia	
11:15 AM	A Regression-Spline-Based Threshold Regression Model — ■Zhangsheng Yu, The Ohio State University; Mei-Ling T. Lee, The Ohio State University	
11:35 AM	Bayesian Random Effects Threshold Regression with Application to Survival Data with Nonproportional Hazards — ■Michael Pennell, The Ohio State University; George A. Whitmore, McGill University	
11:55 AM	Disc: Yi Li, Harvard University/Dana Farber Cancer Institute	
12:15 PM	Floor Discussion	
		Add To My Program
129	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-105
Time Series II: Model Optimization and Evaluation - Topic Contributed - Papers		
Business and Economics Statistics Section		
<i>Organizer(s): Tucker S. McElroy, U.S. Census Bureau</i>		
<i>Chair(s): Scott Holan, University of Missouri-Columbia</i>		
10:35 AM	A Modification to Khandakar and Hyndman's ARIMA Model Selection Algorithm Using an Empirical Information Criterion — ■Brian C. Monsell, U.S. Census Bureau	
10:55 AM	How Frequency of Measurement Affects Petroleum Product Price Pass-Through Models — ■Carol J. Blumberg, Energy Information Administration	
11:15 AM	Theoretical and Real Trading-Day Frequencies — ■Dominique Ladiray, INSEE	
11:35 AM	The Influences of Bridging Days, School Holidays, and Weather on German Time Series — ■Robert Kirchner, Deutsche Bundesbank	

11:55 AM	Further Results on Seasonal Time Series — ■ David A. Dickey, North Carolina State University
12:15 PM	Floor Discussion
Add To My Program	
130 ● ▲	Mon, 8/4/08, 10:30 AM - 12:20 PM CC-104
Complex Hierarchical Bayesian Biostatistics - Topic Contributed - Papers	
Section on Bayesian Statistical Science	
<i>Organizer(s): Juan Jia, University of California, Los Angeles</i>	
<i>Chair(s): Hal Stern, University of California, Irvine</i>	
10:35 AM	Analyzing Phylogenetic Recombination Data with Ancestral Recombination Graphs — ■ Erik W. Bloomquist, University of California, Los Angeles; Marc A. Suchard, University of California, Los Angeles
10:55 AM	Multivariate Bayesian Variable Selection and Voxel Selection in fMRI — ■ Bradley McEvoy, University of California, Los Angeles; Rajesh Nandy, University of California, Los Angeles
11:15 AM	Hierarchical Dynamic Time-to-Event Models for Post-Treatment Preventive Care Data on Breast Cancer Survivors — ■ Freda Cooner, U.S. Food and Drug Administration; Sudipto Banerjee, The University of Minnesota
11:35 AM	Bayesian Multivariate Longitudinal Models for Self-Reported Sex Behavior Data — ■ Lily Altstein, University of California, Los Angeles; Robert E. Weiss, University of California, Los Angeles
11:55 AM	Model Selection for Clustered Outcome Common Predictor Effect Models — ■ Juan Jia, University of California, Los Angeles; Robert E. Weiss, University of California, Los Angeles
12:15 PM	Floor Discussion
Add To My Program	
131 ● ▲	Mon, 8/4/08, 10:30 AM - 12:20 PM CC-110
Theory and Applications of Curve Estimation - Topic Contributed - Papers	
Section on Nonparametric Statistics, Section on Physical and Engineering Sciences, IMS	
<i>Organizer(s): Sam Efromovich, The University of Texas at Dallas</i>	
<i>Chair(s): Marianna Pensky, University of Central Florida</i>	
10:35 AM	Nonparametric Methods in Gradual Change-Point Detection — ■ Michael Baron, The University of Texas at Dallas

10:55 AM	A New Semiparametric Procedure for Matched Case-Control Studies with Missing Covariates — ■ Suojin Wang, Texas A&M University; Samiran Sinha, Texas A&M University
11:15 AM	Confidence Bands Based on the Smoothing Spline — ■ Vincent N. LaRiccia, University of Delaware; Paul P.P. Eggermont, University of Delaware
11:35 AM	Sharp Nonparametric Estimation and Bioapplications — ■ Sam Efromovich, The University of Texas at Dallas
11:55 AM	Semi-Supervised Wavelet Thresholding and Applications — Kichun S. Lee, Georgia Institute of Technology; ■ Brani Vidakovic, Georgia Institute of Technology
12:15 PM	Floor Discussion

[Add To My Program](#)

132 ●

Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-109

Importance of Predictors in Statistical Models - Topic Contributed - Papers

Section on Statistics and Marketing, Section on Quality and Productivity

Organizer(s): Ehsan Soofi, University of Wisconsin-Madison

Chair(s): Shon Magnan, GfK Custom Research North America

10:35 AM	Estimation of Predictor Shares via Multinomial Parameterization: Application to Regression Coefficients and to PCA and SVD Loadings — ■ Stan Lipovetsky, GfK Custom Research North America
10:55 AM	Maximum Entropy Choice Probabilities vs. Random Utility Choice Probabilities — ■ Robert Bordley, General Motors Research Labs; Ehsan Soofi, University of Wisconsin-Madison
11:15 AM	Information Importance of Predictors: Concept, Measures, Bayesian Inference, and Applications — ■ Ehsan Soofi, University of Wisconsin-Madison; Joseph Retzer, Maritz Research; Refik Soyer, The George Washington University
11:35 AM	Disc: Barry Feldman, Russell Indexes Research
11:55 AM	Floor Discussion

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Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-106

Teaching Through Service Learning: Getting Statistics Out of the Classroom While Enhancing Learning - Topic Contributed - Panel

Section on Statistical Education

<i>Organizer(s): Amy L. Phelps, Duquesne University</i>		
<i>Chair(s): Michelle Sisto, International University of Monaco</i>		
Abstract:	Teaching Through Service Learning (SL): Getting Statistics out of the Classroom While Enhancing Learning	
Panelists:	<ul style="list-style-type: none"> ■ Amy L. Phelps, Duquesne University ■ Norean R. Sharpe, Babson College ■ Paul J. Roback, St. Olaf College ■ Beth Walters, Loyola College in Maryland 	
12:15 PM	Floor Discussion	
		Add To My Program
134	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-606
Inference Issues in Biometric Data - Contributed - Papers		
Biometrics Section		
<i>Chair(s): Danielle Sheng, Merck & Co., Inc.</i>		
10:35 AM	A New Confidence Interval for a Simple Effect in a 2-by-2 Factorial Experiment Utilizing Uncertain Prior Information That the Two-Factor Interaction Is Zero — ■ Paul Kabaila, La Trobe University; Khageswor Giri, La Trobe University	
10:50 AM	Testing for Group Effect in a 2 x k Heteroscedastic ANOVA Model — ■ James F. Troendle, National Institute of Child Health and Human Development	
11:05 AM	Tolerance Limits for a Ratio of Two Normal Random Variables — ■ Lanju Zhang, MedImmune, Inc.; Thomas Mathew, University of Maryland, Baltimore County; Harry Yang, MedImmune, Inc.; K. Krishnamoorthy, University of Louisiana at Lafayette; Iksung Cho, MedImmune, Inc.	
11:20 AM	Longitudinal Assessment of Hearing Toxicity in a Phase III Clinical Trial for Reduction of Sporadic Adenomas — ■ Christine E. McLaren, University of California, Irvine; Wen-Pin Chen, Chao Family Comprehensive Cancer Center; Sharon Fujikawa-Brooks, Chao Family Comprehensive Cancer Center; Frank L. Meyskens, Chao Family Comprehensive Cancer Center	
11:35 AM	Statistical Methods for Active Extension Trials — ■ Zonghui Hu, National Institutes of Health; Dean Follmann, National Institutes of Health	
11:50 AM	A Transformation Binormal Model To Estimate the ROC Curve of a Continuous Biomarker — ■ Danping Liu, University of Washington; Andrew Zhou, University of Washington	

12:05 PM	Testing for Heterogeneity Among the Components of a Binary Composite Outcome — ■Janice Pogue, McMaster University; Lehana Thabane, McMaster University	
		Add To My Program
135 ▲	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-701
Rethinking Established Practice - Contributed - Papers		
Social Statistics Section, Section on Government Statistics		
<i>Chair(s): Yves Thibaudeau, U.S. Census Bureau</i>		
10:35 AM	Effects of Dependence on Meta-Analytic Tests — ■Kevin Henning, Texas Tech University	
10:50 AM	Classification Rules for Repeated Measures Data from Multiple Sources — ■Anuradha Roy, The University of Texas at San Antonio ; Ricardo Leiva, Universidad Nacional de Cuyo	
11:05 AM	New Modified Chi-Squared Goodness-of-Fit Tests and Their Application in Particle Physics and Political Science — ■Vassilly Voinov, KIMEP	
11:20 AM	Statistical and Physical Models in Social Sciences: A New Reconciliation — ■Igor Mandel, Advanced Marketing Models	
11:35 AM	Who (Really) Are the First Boomers? — ■Howard Hogan, U.S. Census Bureau; Debbie Perez, U.S. Census Bureau; William R. Bell, U.S. Census Bureau	
11:50 AM	A Trigger for Further Auditing After a Post-Election Audit for Winner Verification — ■Vittorio Addona, Macalester College; Katherine Lim, Macalester College	
12:05 PM	A Study on Tests of Symmetry with Ordered Alternatives in Higher-Dimensional Contingency Tables — ■Ping Ye, Southern Illinois University Carbondale; Bhaskar Bhattacharya, Southern Illinois University Carbondale	
		Add To My Program
136 ●	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-712
Genetic Association Studies - Contributed - Papers		
Section on Statistics in Epidemiology, Biopharmaceutical Section, Biometrics Section		
<i>Chair(s): Ching-Ti Liu, Yale University</i>		
10:35 AM	Incorporating Heterogeneity of Maternal Effects for Precisely Detecting Parent-of-Origin Effect — ■Jingyuan Yang, The Ohio State University	

10:50 AM	Information Geometry, Gene-Gene, Gene-Environment Interaction, and Pathway Association — ■ Momiao Xiong, The University of Texas School of Public Health; Li Luo, The University of Texas School of Public Health; Gang Peng, Fudan University
11:05 AM	Functional Genetic Models for Unraveling Path from Genomic Information to Complex Phenotypes — ■ Li Luo, The University of Texas School of Public Health; John Reveille, The University of Texas Medical School; Momiao Xiong, The University of Texas School of Public Health
11:20 AM	Bayesian Mixture Models for Case-Control, Genome-Wide Association Studies — ■ Lin Li, Cornell University; Andrew G. Clark, Cornell University; Carlos D. Bustamante, Cornell University
11:35 AM	A Multiple Testing Correction Method for Genetic Association Studies Using Correlated SNPs — ■ Xiaoyi Gao, Miami Institute for Human Genomics; Joshua Starmer, The University of North Carolina at Chapel Hill; Eden R. Martin, Miami Institute for Human Genomics
11:50 AM	A Novel Nonparametric Test for Admixture Mapping in Unrelated Individuals Based on Functional Principal Component Analysis — ■ Kun Chen, University of California, Davis; Jane-Ling Wang, University of California, Davis
12:05 PM	Ancestral Haplotype Inference Based on Conditional Random Fields and Its Application to Disease Association Test — ■ Xiaolin Yin, Case Western Reserve University

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Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-708

Spatial Statistics: Theory - Contributed - Papers

Section on Statistics and the Environment, IMS

Chair(s): Lu Gan, Missouri University of Science and Technology

10:35 AM	Large-Scale Structure in Multiparameter Markov Random Field Models — ■ Jonathan Hobbs, Iowa State University
10:50 AM	On the Codispersion Coefficient for Spatial Sequences — ■ Ronny O. Vallejos, Universidad de Valparaíso
11:05 AM	Estimation with Extended CAR Models for Large Lattices — ■ Ernst Linder, University of New Hampshire
11:20 AM	Space-Time Models: A Spatially Dependent Filtering Approach — ■ Peter F. Craigmile, The Ohio State University
11:35 AM	Thinning and Augmenting of Point Process Patterns for Model Assessment Using Ripley's K-Function — ■ Alejandro Veen, IBM T. J. Watson Research Center

11:50 AM	A Penalized Likelihood Approach to Modeling Spatial Counts and Mapping Indices of Aggregation — ■Nels Grevstad, Metropolitan State College of Denver
12:05 PM	The Generalized Linear Model with Spatial Variation and Multiple Covariates — ■J. Aleong, University of Vermont
Add To My Program	
138	Mon, 8/4/08, 10:30 AM - 12:20 PM CC-101
Graphical Displays, Maps, and Active Learning - Contributed - Papers	
Section on Statistical Education, Section on Statistical Graphics	
<i>Chair(s): David B. Hitchcock, University of South Carolina</i>	
10:35 AM	What's Wrong with This Picture? — ■Robert Easterling, Itinerant Visiting Professor
10:50 AM	Why Introductory Statistics Courses Should Not Be Mapless — ■Mary Richardson, Grand Valley State University; Paul Stephenson, Grand Valley State University
11:05 AM	Graphical Exploration and Suggestions for the Selection of a Regression Model Using Real Data — Irene Schiattino, Universidad de Chile; Claudio Silva, Universidad de Chile; ■Carmen Acuna, Bucknell University; Rosa Montaña, Universidad de Chile; Verónica Iglesias, Universidad de Chile
11:20 AM	Visualization of Probability Distributions — Betul Atalay, Saint Joseph's University; Agnes M. Rash, Saint Joseph's University; Deborah Lurie, Saint Joseph's University; ■Susanna Wei, Saint Joseph's University
11:35 AM	The Importance of a Checkpoint: Designing Active Learning Labs — ■Leigh V. Slauson, Otterbein College
11:50 AM	Project 'Project': Developing a Cumulative Group Activity for a Basic Statistics Course — ■Christopher E. Barat, Villa Julie College; Vallory A. Shearer, Villa Julie College
12:05 PM	Teaching with Chocolate Chip Cookies — ■Herbert Lee, University of California, Santa Cruz
Add To My Program	
139	Mon, 8/4/08, 10:30 AM - 12:20 PM CC-108
Diagnostics and Goodness-of-Fit - Contributed - Papers	
Section on Statistical Computing	
<i>Chair(s): Gregory L. Snow, Intermountain Healthcare</i>	

10:35 AM	Numerator-Denominator Plots — ■William D. Heavlin, Google, Inc.; Judith Koslov, Sun Microsystems, Inc.
10:50 AM	Outlier Detection Using the Smallest Kernel Principal Components with Radial Basis Function Kernel — Yan Shen, Temple University; ■Alan J. Izenman, Temple University
11:05 AM	Fast Diagnostics — ■Gentiane Haesbroeck, University of Liege
11:20 AM	Far Casting Cross Validation — ■Patrick Carmack, The University of Texas Southwestern Medical Center; Jeffrey Spence, The University of Texas Southwestern Medical Center; Qihua Lin, The University of Texas Southwestern Medical Center; William R. Schucany, Southern Methodist University; Richard Gunst, Southern Methodist University
11:35 AM	Judging a Model of an Experiment — ■Robert Blodgett, U.S. Food and Drug Administration
11:50 AM	Mixed Model Selection Criteria Based on Statistical Computation and Leave-One-Out Method — ■Junfeng Shang, Bowling Green State University
12:05 PM	Extending the Range of Application for Generalized Goodness-of-Fit Statistics — ■Leah Jager, U.S. Naval Academy

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Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-711

Advances in Experimental Design - Contributed - Papers

Section on Physical and Engineering Sciences, Section on Quality and Productivity

Chair(s): Elizabeth Martínez-Gómez, National Autonomous University of Mexico

10:35 AM	Whole-Plot Exchange Algorithms for Constructing D-Optimal Multistratum Designs — ■Christopher I. Vahl, North Dakota State University; George A. Milliken, Kansas State University
10:50 AM	On the Weighted Optimality of Incomplete Block Designs — ■Xiaowei Wang, Virginia Polytechnic Institute and State University
11:05 AM	A Class of Saturated Square Designs — ■Xianggui Qu, Oakland University; Theophilus Ogunyemi, Oakland University
11:20 AM	A Class of Partially Replicated Two-Level Fractional Factorial Designs — ■Paul J. Lupinacci, Villanova University; Joseph G. Pigeon, Villanova University
11:35 AM	Nested Latin Hypercube Designs — ■Zhiguang (Peter) Qian, University of Wisconsin-Madison
11:50 AM	Equivalence of Symmetric Factorial Experiments Having Both Qualitative and Quantitative Factors — ■Tena I. Katsaounis, The Ohio State University ; Angela M. Dean, The Ohio State University

12:05 PM	Floor Discussion	
		Add To My Program
141	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-112
Sign and Rank Methods: New Applications and Updated Perspectives - Contributed - Papers		
Section on Nonparametric Statistics		
<i>Chair(s): Leann Myers, Tulane University</i>		
10:35 AM	Nonparametric and Parametric Multivariate Tests — ■ Arne Bathke, University of Kentucky; Solomon W. Harrar, University of Montana	
10:50 AM	Using Shrinkage in an Exact Test for Clustered Binary Data with Small Numbers of Clusters — ■ Patrick Gerard, Clemson University; William R. Schucany, Southern Methodist University	
11:05 AM	Wilcoxon-Mann-Whitney or T-Test? On Assumptions for Hypothesis Tests and Multiple Interpretations of Decision Rules — ■ Michael P. Fay, National Institute of Allergies and Infectious Diseases	
11:20 AM	Recent Advances in Informative One- and Two-Sample Goodness-of-Fit Testing — ■ Olivier Thas, Ghent University; John Rayner, University of Newcastle, Australia; Donald J. Best, University of Newcastle	
11:35 AM	A Nonparametric Test of Independence Between Response and Covariate Adjusted for Treatment Effect — ■ Siti Tolos, Kansas State University; Haiyan Wang, Kansas State University	
11:50 AM	Heteroscedastic, Unbalanced, Two-Fold, Nested Model When the Number of Subclasses Is Large — ■ Shu-Min Liao, The Pennsylvania State University; Michael G. Akritas, The Pennsylvania State University	
12:05 PM	Ranking of Graph Data with Kernelized Spatial Depth — ■ Cuilan Gao, University of Mississippi; Xin Dang, University of Mississippi	
		Add To My Program
142	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-103
Bayesian Applications in Social Sciences, Public Health, and Sports - Contributed - Papers		
Section on Bayesian Statistical Science, Section on Health Policy Statistics		
<i>Chair(s): Jason Kramer, University of California, Irvine</i>		
10:35 AM	Rasch and Mixture of Generalized Linear Mixed Models for Analysis of Aphasic Deficits of Syntactic Comprehension — ■ Roe Gutman, Harvard University; Gayle DeDe, Boston University; David Caplan, Massachusetts General Hospital; Jun S. Liu, Harvard University	

10:50 AM	Modeling Long-Run Macroeconomic Growth with Gaussian Graphical Models — ■ Alex Lenkoski, University of Washington; Adrian Dobra, University of Washington; Theo Eicher, University of Washington
11:05 AM	A Bayesian Time Series Model for Death Penalty Public Opinion — ■ Kenneth E. Shirley, Columbia University; Andrew Gelman, Columbia University
11:20 AM	Probabilistic Projections of Fertility Using a Bayesian Hierarchical Model — ■ Leontine Alkema, University of Washington; Adrian E. Raftery, University of Washington; Patrick Gerland, United Nations Population Division; Samuel Clark, University of Washington; Francois Pelletier, United Nations Population Division
11:35 AM	Joint Modeling of Birth Weight and Gestational Age — ■ Scott L. Schwartz, Duke University; Alan Gelfand, Duke University
11:50 AM	Improved Mixing with Simulated Annealing in Bimodal Footrace Finishing Times — ■ Matthew S. Shotwell, Medical University of South Carolina; Paul J. Nietert, Medical University of South Carolina; Elizabeth Slate, Medical University of South Carolina
12:05 PM	Reweighting the Bowl Championship Series — ■ Susan Buchman, Carnegie Mellon University; Joseph B. Kadane, Carnegie Mellon University

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Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-608

Methods in Linear and Generalized Linear Models - Contributed - Papers

ENAR, Biometrics Section

Chair(s): Edward L. Boone, Virginia Commonwealth University

10:35 AM	Tuning Parameter Selections for Penalized Likelihood Functions — ■ Yiyun Zhang, The Pennsylvania State University; Runze Li, The Pennsylvania State University; Chih-Ling Tsai, University of California, Davis
10:50 AM	Cumulative Logit---Poisson and Cumulative Logit---Negative Binomial Compound Regression Models for Count Data — ■ Mark VanRaden, National Institutes of Health; John M. Lachin, The George Washington University
11:05 AM	Comparison of Designs for Correlated Response Models with an Unknown Dispersion Matrix — ■ Sourish Saha, GlaxoSmithKline; Andre Khuri, University of Florida
11:20 AM	Demonstration of User-Written Software in Stata, R, and Matlab for Analysis of a Familial Correlation Structure in a Quasi-Least Squares Analysis of Weight Loss in the SHARE Study — ■ Xiaoying Wu, University of Pennsylvania; Jichun Xie, University of Pennsylvania; Sarah Ratcliffe, University of Pennsylvania; Shiriki Kumanyika, University of Pennsylvania;

	Justine Shults, University of Pennsylvania	
11:35 AM	Variable Selection in Models with Block Structures — ■ Dongyu Lin, University of Pennsylvania; Dean Foster, University of Pennsylvania	
11:50 AM	Symbolic Data Analysis: Interval-Valued Data Regression — ■ Wei Xu, The University of Georgia	
12:05 PM	Floor Discussion	
Add To My Program		
144	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-107
Econometric Modeling, Robustness, and Heavy Tails - Contributed - Papers		
Business and Economics Statistics Section, Section on Nonparametric Statistics		
<i>Chair(s): Mengchen Hsieh, Stern School of Business/New York University</i>		
10:35 AM	Small Sample Performance of Instrumental Variables Probit Estimators: A Monte Carlo Investigation — ■ Lee C. Adkins, Oklahoma State University	
10:50 AM	Use of Optimal Instrument Variables for Estimating Spatial Modeling Parameters with Application to Crime Survey Data — ■ Krista Collins, Statistics Canada; Avinash C. Singh, Statistics Canada	
11:05 AM	A Robust LOESS Smooth Approach to Problem Bank Identification — Randall Kimmel, Kent State University; ■ David Booth, Kent State University; Stephane Booth, Kent State University	
11:20 AM	Finite Sample Tests for the Composite Hypothesis of Stable Law — ■ Thomas R. Willemain, Rensselaer Polytechnic Institute; Albert S. Paulson, Rensselaer Polytechnic Institute;	
11:35 AM	Bootstrap Prediction Intervals for Large Financial Data Sets — ■ William L. Seaver, The University of Tennessee, Knoxville; Donglin Wang, The University of Tennessee, Knoxville	
11:50 AM	What Has Been the Government's Role in the Erosion of Auto Sales by U.S. Firms? — ■ Ronald Tracy, Oakland University	
12:05 PM	Competitiveness of Different Groups of Italian Enterprises Detected Using Robust Classification Methods — Luigi Biggeri, Italian National Institute of Statistics; ■ Matilde Bini, University of Florence; Filippo Oropallo, Italian National Institute of Statistics	
Add To My Program		
145 ▲	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-604
Causal Inference - Contributed - Papers		

Biometrics Section, Biopharmaceutical Section, Section on Health Policy Statistics, Section on Statistics in Epidemiology		
<i>Chair(s): Catherine Stamoulis, Harvard School of Public Health</i>		
10:35 AM	General Theory for Sufficient Cause Interactions — ■ Tyler VanderWeele, The University of Chicago	
10:50 AM	Improving the Efficiency and Robustness of Doubly Robust Estimator for Estimation of Population Mean Response in the Presence of Incomplete Data — ■ Weihua Cao, North Carolina State University; Anastasios Tsiatis, North Carolina State University; Marie Davidian, North Carolina State University	
11:05 AM	Semiparametric Estimation of Treatment Effects on an Outcome Measured After a Post-Randomization Event, with Missing Outcome Data — ■ Yuying Jin, University of Washington; Peter B. Gilbert, Fred Hutchinson Cancer Research Center	
11:20 AM	Average Causal Effect Estimation Allowing Covariate Measurement Error — ■ Yi Huang, University of Maryland, Baltimore County; Karen Bandeen-Roche, Johns Hopkins Bloomberg School of Public Health; Constantine E. Frangakis, Johns Hopkins University	
11:35 AM	Sensitivity Analysis of the Effect of Treatment Received in a Principal Stratification Framework — ■ Corwin Zigler, University of California, Los Angeles; Tom Belin, University of California, Los Angeles	
11:50 AM	Assessing the Surrogate and Predictive Value of a Biomarker Measured After Randomization — ■ Julian Wolfson, University of Washington; Peter B. Gilbert, Fred Hutchinson Cancer Research Center	
12:05 PM	Potential Outcomes Applied to an Intentional Weight Loss Application — ■ Thidaporn Supapakorn, Kansas State University; Gary L. Gadbury, Kansas State University; Christopher S. Coffey, The University of Alabama at Birmingham; Scott W. Keith, The University of Alabama at Birmingham; David B. Allison, The University of Alabama at Birmingham	
		Add To My Program
146	Mon, 8/4/08, 10:30 AM - 12:20 PM	CC-602
Multivariate Methods for Analysis of Genetic Data - Contributed - Papers		
Biometrics Section, Section on Nonparametric Statistics, Biopharmaceutical Section, IMS		
<i>Chair(s): Tiejun Tong, University of Colorado, Boulder</i>		
10:35 AM	Inference on Low-Rank Data Matrices with Applications to Microarray Data — ■ Xingdong Feng, University of Illinois at Urbana-Champaign	
10:50 AM	Application of Multiple Correspondence Analysis and Cluster Analysis in Phenotypically Subtyping Medical and Psychiatric Disorders — ■ Grace Chan, University of Connecticut	

11:05 AM	An FDR-Controlling Procedure for Analyzing Replicated Microarray Time Course Data with the Multivariate Empirical Bayes Statistic — ■ Nancy N. Wang, University of California, Berkeley; Terence P. Speed, University of California, Berkeley
11:20 AM	Outliers When Clustering Microarray Data — ■ Johanna Hardin, Pomona College
11:35 AM	Reproducibility of Classification Rules Based on a Bootstrap Resampling Approach — ■ Chin-Yuan Liang, The Ohio State University
11:50 AM	Sliced Inverse Factor Analysis — ■ Ronghua Luo, Peking University; Hansheng Wang, Peking University; Chih-Ling Tsai, University of California, Davis
12:05 PM	A Novel Multistage Approach To Classify Samples Across Multiple Gene Expression Experiments — ■ Heather A. Adams, University of Illinois at Urbana-Champaign; Sandra L. Rodriguez-Zas, University of Illinois at Urbana-Champaign; Bruce Southey, University of Illinois at Urbana-Champaign
Add To My Program	
147 ●	Mon, 8/4/08, 10:30 AM - 12:20 PM
CC-601	
Statistical Inference in Biopharmaceutical Research - Contributed - Papers	
Biopharmaceutical Section, Biometrics Section	
<i>Chair(s): Jiajun Liu, Merck Research Laboratories</i>	
10:35 AM	Cochran-Mantel-Haenszel Weighted Miettinen and Nurminen Method for Confidence Intervals of the Difference in Binomial Proportions from Stratified 2×2 Samples — ■ Kaifeng Lu, Merck & Co., Inc.
10:50 AM	A Nonparametric Method for Group Comparison Using Data from Two Sequential Assays with Different Lower Limits of Quantification (LLOQ) — ■ Lixin Han, Wyeth; Jared Christensen, Wyeth; Fred Immermann, Wyeth; Ron Menton, Wyeth
11:05 AM	Direct Approaches to Shelf Life Estimation — ■ Michelle Quinlan, University of Nebraska-Lincoln; Walter Stroup, University of Nebraska-Lincoln; James Schwenke, Boehringer Ingelheim Pharmaceuticals, Inc.
11:20 AM	The Tau-Path Test for Detecting Subpopulation Association — ■ Li Yu, The Ohio State University; Joseph Verducci, The Ohio State University
11:35 AM	Differential Expression Analysis with Missing Data: Application in Two-Dimensional Gel Electrophoresis (2DGE) Analysis — ■ Dan Li, University of California, Davis; Susanne R. Berglund, University of California Davis Cancer Center; Alison Santana, University of California Davis Cancer Center; Zelanna Goldberg, University of California Davis

	Cancer Center; David M. Rocke, University of California, Davis
11:50 AM	Statistical Models and Testing Methods in Clinical Trials for the Prevention of Type 2-Diabetes Mellitus — ■ Xiaodan Wei, sanofi-aventis; Peng-liang Zhao, sanofi-aventis; Ji Zhang, sanofi-aventis
12:05 PM	A Latent Normal Approach for Equivalence Trials with Ordinal Responses Using Pairwise Likelihood — ■ Juanmei Liu, University of California, Los Angeles/Kaiser Permanente

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Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-607

Early Human Trials and Crossover Designs - Contributed - Papers

Biopharmaceutical Section, Biometrics Section

Chair(s): Stephanie Dunbar, Merck Research Laboratories

10:35 AM	Statistical Issues for First-in-Human Designs — ■ Xiaoni Liu, Bristol-Myers Squibb Company; Robert Smith, Bristol-Myers Squibb Company
10:50 AM	Linear Models for the Analysis of Alternating Panel Rising Dose Designs — Bo Jin, Merck & Co., Inc.; ■ Peng Sun, Merck & Co., Inc.
11:05 AM	Statistical Analysis Methods and Clinical Pharmacology Understanding on Bioavailability Comparison in Complete and Incomplete Crossover Design and Parallel Design Studies — ■ Yonghua Wang, Bristol-Myers Squibb Company
11:20 AM	The Influence of Time on Individual Response Variability in a Two-Treatment, Three-Periods Crossover Design — ■ Edwin Ndum, Kansas State University; Gary L. Gadbury, Kansas State University
11:35 AM	Use of Baseline Measurements in the 2 X 2 Crossover Trial — ■ Lingling Han, Merck & Co., Inc.; John Stufken, The University of Georgia
11:50 AM	Floor Discussion

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Mon, 8/4/08, 10:30 AM - 12:20 PM

CC-F Lobby

Section on Survey Research Methods Contributed Poster Presentations - Contributed - Poster Presentations

Section on Survey Research Methods

Organizer(s): John Castelloe, SAS Institute Inc.

Chair(s): John Castelloe, SAS Institute Inc.

Poster Topic: *Applications and case studies:*

34:	ASA Committee Web Sites — ■ Alan R. Tupek, Arbitron Inc.; Chet Bowie, National Opinion Research Center
35:	Application of Confirmatory Factor Analysis To Establish the Validity of a Practice-Analysis Survey — ■ Heibatollah Baghi, George Mason University; Teresa Panniers, George Mason University; Mary Smolenski, American Nurses Credentialing Center
Poster Topic: <i>Categorical, multivariate analysis:</i>	
36:	Testing the Proportional Odds Assumption for Complex Data — ■ George G. Brown, RTI International
Poster Topic: <i>Computational statistics, numerical methods, simulation:</i>	
37:	Fast Record Linkage of Very Large Files in Support of Decennial and Administrative Records Projects — ■ William E. Yancey, U.S. Census Bureau; William E. Winkler, U.S. Census Bureau; Edward H. Porter, U.S. Census Bureau
Poster Topic: <i>Environmetrics, ecology, agriculture, wildlife management:</i>	
38:	Bid Design and Its Influence on Stated Willingness To Pay and Participation in a Deposit Refund Program in a Survey of Nonrefillable Plastic Pesticide Users — ■ Danna L. Moore, Washinton State University
Poster Topic: <i>Incomplete data analysis, imputation methods:</i>	
39:	Imputation Methods for Missing Data in a Longitudinal Family Study — ■ Michael D. Larsen, Iowa State University; Frederick O. Lorenz, Iowa State University
40:	Imputation for Missing Physiological and Health Measurement Data: Tests and Applications — ■ Matt Jans, The University of Michigan; Steven G. Heeringa, Institute for Social Research
41:	A New Approach to Estimation of Response Probabilities When Missing Data Are Not Missing at Random — ■ Michael Sverchkov, BAE Systems/Bureau of Labor Statistics
42:	Model-Assisted Hot-Deck Imputation — ■ Winnie Huang, University of California, Los Angeles; Hongjian Yu, University of California, Los Angeles; Jenny Chia, University of California, Los Angeles; Sunghee Lee, University of California, Los Angeles
43:	Imputing and Jackknifing Scrambled Responses — ■ Inderjit S. Grewal, Punjab Agricultural University; Jong M. Kim, The University of Minnesota, Morris; Sarjinder Singh, The University of Texas at Brownsville/Texas Southmost College
Poster Topic: <i>Longitudinal data, repeated measurements, and meta-analysis:</i>	
44:	Handling Attrition Bias on Longitudinal Studies of Mental Health Within Older Adults — ■ Moh Yin Chang, University of Nebraska-Lincoln

45:	Analysis of Using the SERVQUAL Model for Student Faculty Course Evaluations — ■Dennis F.X. Mathaisel, Babson College
46:	Factorial Invariance and Robustness to Low Variability: Maximum Likelihood Factor Analysis vs. Correlation Constraint Analysis — ■Rochelle E. Tractenberg, Georgetown University
Poster Topic: <i>QC, operation research, risk assessment:</i>	
47:	A Quality-Control Approach for Statistical Computer Programs — ■Darryl V. Creel, RTI International
Poster Topic: <i>Sampling and survey methodology:</i>	
48:	Measurement of Perceived Health Status: Respondent and Mode Effects in a National Health Survey — ■Steven R. Machlin, Agency for Healthcare Research and Quality; Karen Beauregard, Agency for Healthcare Research and Quality; William Yu, Agency for Healthcare Research and Quality
49:	Cluster Size in Multilevel Models: The Impact of Sparse Data Structures on Point and Interval Estimates in Two-Level Models — ■Bethany A. Bell-Ellison, University of South Florida; John M. Ferron, University of South Florida; Jeffrey D. Kromrey, University of South Florida
50:	State and County Small-Area Estimation Using the National Health Interview Survey (NHIS) and Behavioral Risk Factors Surveillance System (BRFSS) — ■Van Parsons, National Center for Health Statistics; Nathaniel Schenker, National Center for Health Statistics
51:	Variance of the With-Replacement Sample Variance — ■Eungchun Cho, Kentucky State University; Moon J. Cho, Bureau of Labor Statistics
52:	The Use of Paradata for Evaluating Interviewer Training and Performance — ■William P. Mockovak, Bureau of Labor Statistics; Randall Powers, Bureau of Labor Statistics
53:	Which Incentives Work Best for Respondents in Today's RDD Surveys? — ■Barbara L. Carlson, Mathematica Policy Research, Inc.; Karen CyBulski, Mathematica Policy Research, Inc.; Tom Barton, Mathematica Policy Research, Inc.
54:	Year-to-Year Correlation in National Health Interview Survey Estimates — ■Chris Moriarity, National Center for Health Statistics; Van Parsons, National Center for Health Statistics
55:	On Using Sample Survey Techniques To Collect and Analyze Data Pertaining to Vehicular Traffic and Parking Problems on a University Campus — ■Ugochukwu Mbata, University of Lagos; Ray Okafor, University of Lagos; Jeanvive Amaraegbu, University of Lagos; Adebisi Fetuga, University of Lagos; Adebayo Jawando, University of Lagos; Olabaode Fasuyi, University of Lagos; Ajayi Olalusi, University of Lagos; Babalola Apará, University of Lagos; Jamaica Tamunotonye, University of Lagos; Titilayo Smith, University

56:	Hardy-Weinberg Equilibrium for Unequal-Probability Genotype Samples — ■ Thomas Lumley, University of Washington
57:	Surveying Parts To Construct the Whole: Sampling and Estimation Issues — ■ Eugene M. Burns, Energy Information Administration; Jay Olsen, Energy Information Administration
58:	Mobile Phone Survey Methodology in China — ■ Xiaoyin Sun, The University of Hong Kong; John Bacon-Shone, The University of Hong Kong
59:	Response Quality Among Reluctant Respondents — ■ Olena Kaminska, University of Nebraska-Lincoln
60:	Cell Phone--Only Research at Arbitron: Statistical Analyses — ■ Richard Griffiths, Arbitron Inc.
61:	Controlling Effect of Sample Design on Principal Components Analysis: A Simulation Study — ■ Francine Barrington, Macro International; Andrey Vinokurov, Macro International; Pedro J. Saavedra, Macro International
62:	Coevolution of Multivariate Optimal Allocations and Stratum Boundaries — ■ Charles Day, Internal Revenue Service
63:	Accounting for Sampling Design in Complex Surveys: A Jamaican Example — ■ Novie O.M. Younger, The University of the West Indies, Jamaica; Rainford Wilks, ERU-TMRI
64:	Effects of Sampling and Screening Strategies in an RDD Survey — ■ Rebecca Crow, University of Massachusetts Boston; Anthony M. Roman, University of Massachusetts Boston; Elizabeth Eggleston, Research Triangle Institute; Charles F. Turner, Queens College and Graduate Center, CUNY; Susan M. Rogers, Research Triangle Institute; Sylvia Tan, Research Triangle Institute
65:	The Impact of Income Imputation Using Cascading Partial Income Information in California Health Interview Survey — ■ Yifeng J. Chia, University of California, Los Angeles; Winnie Huang, University of California, Los Angeles; Hongjian Yu, University of California, Los Angeles

		Add To My Program
	Mon, 8/4/08, 12:00 PM - 5:30 PM	HY-Granite A

Council of Chapters Governing Board Annual Meeting (closed)

Council of Chapters

Chair(s): B. Christine Clark, ReSearch Pharmaceutical Services, Inc.

		Add To My Program
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	Mon, 8/4/08, 12:00 PM - 2:00 PM	HY-Sandstone
Journal of Computational and Graphical Statistics Editor's Meeting (closed)		
JCGS-Journal of Computational and Graphical Statistics		
<i>Chair(s): David A. van Dyk, University of California, Irvine</i>		
Add To My Program		
	Mon, 8/4/08, 12:00 PM - 2:00 PM	HY-Agate B
Interface Foundation of North America Board Meeting (closed)		
Interface Foundation of North America		
<i>Organizer(s): David Marchette, Naval Surface Warfare Center</i>		
Add To My Program		
	Mon, 8/4/08, 12:30 PM - 2:00 PM	HY-Quartz A
Statistics in Medicine Journal Editorial Board Meeting and Luncheon (closed)		
Statistics in Medicine Journal Editorial Board		
<i>Organizer(s): Ralph B. D'Agostino, Sr., Boston University</i>		
Add To My Program		
	Mon, 8/4/08, 12:30 PM - 2:00 PM	CC-206
Committee on Gay and Lesbian Concerns in Statistics Business Meeting		
Committee on Gay and Lesbian Concerns in Statistics		
<i>Chair(s): Barry Johnson, Statistics of Income, IRS</i>		
Add To My Program		
	Mon, 8/4/08, 12:30 PM - 2:00 PM	HY-Agate C
Section on Statistical Computing Executive Committee Meeting (closed)		
Section on Statistical Computing		
<i>Chair(s): Deborah Nolan, University of California, Berkeley</i>		

		Add To My Program
	Mon, 8/4/08, 12:30 PM - 2:00 PM	HY-Marble
ASA, Pfizer, University of Connecticut Project on Filming of Distinguished Statisticians (closed)		
Filming of Distinguished Statisticians		
<i>Organizer(s): Nitish Mukhopadhyay, University of Connecticut</i>		
		Add To My Program
	Mon, 8/4/08, 12:30 PM - 2:00 PM	HY-Granite C
APLIA Meeting II		
Aplia		
<i>Organizer(s): Kimberly Wolyn, Cengage Learning</i>		
		Add To My Program
	Mon, 8/4/08, 12:30 PM - 2:00 PM	HY-Agate A
Section on Bayesian Statistical Science Executive Business Meeting (closed)		
Section on Bayesian Statistical Science		
<i>Chair(s): Ronald Christensen, University of New Mexico</i>		
		Add To My Program
150	Mon, 8/4/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 6
Section on Statistics in Sports Speaker with Lunch (fee event) - Roundtables - Speaker with Lunch		
Section on Statistics in Sports		
<i>Organizer(s): Jerome Reiter, Duke University</i>		
ML07:	It's a Nice Hobby, but ... Making the Transition from Providing Insight into Statistics Through Sports to Providing Insight into Sports Through Statistics —  James J. Cochran, Louisiana Tech University	
		Add To My Program

151	Mon, 8/4/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Bayesian Statistical Science Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Bayesian Statistical Science		
<i>Organizer(s): Michael Daniels, University of Florida</i>		
ML08:	Informative Priors and Sensitivity Analysis for Missing Data and Causal Inference — ■ Joseph Hogan, Brown University	
		Add To My Program
152	Mon, 8/4/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Biopharmaceutical Section Roundtables with Lunch (fee event) - Roundtables - with Lunch		
Biopharmaceutical Section		
<i>Organizer(s): Matilde Sanchez, Arena Pharmaceuticals</i>		
ML09:	Analytical Issues and Practical Solutions for Missing Data in Clinical Trials — ■ Jayawant Mandrekar, Mayo Clinic	
ML10:	Adaptive Designs: Sample Size Re-Estimation and Interim Analyses — ■ Dennis King, STATKING Consulting, Inc.	
ML11:	Design and Analysis of Medical Device Clinical Studies for Purposes of FDA Marketing Approval — ■ Gary Kamer, U.S. Food and Drug Administration	
ML12:	How Not To Be Lost in Translation: Expanding Roles for Consultant Statisticians in the Era of Multinational Drug Development — ■ Yoko Adachi, U.S. Food and Drug Administration	
ML13:	Innovative Statistical Design Using Biomarkers in Early-Phase Cancer Clinical Trials — ■ Ying Lu, University of California, San Francisco	
		Add To My Program
153	Mon, 8/4/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Government Statistics Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Government Statistics		
<i>Organizer(s): Sunghee Lee, University of California, Los Angeles</i>		
ML14:	How Should Prison Inmates Be Incorporated in Census Tabulations? — ■ Tom Belin, University of California, Los Angeles	

		Add To My Program
154	Mon, 8/4/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Health Policy Statistics Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Health Policy Statistics		
<i>Organizer(s): Mary Beth Landrum, Harvard Medical School</i>		
ML15:	Is There a Future for Surrogate Marker Evaluation in Randomized Clinical Studies? — ■Geert Molenberghs, Hasselt University	
		Add To My Program
155	Mon, 8/4/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Nonparametric Statistics Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Nonparametric Statistics		
<i>Organizer(s): Simon Sheather, Texas A&M University</i>		
ML16:	Nonparametric Statistics: A Look into the Future — ■Peter G. Hall, The University of Melbourne	
		Add To My Program
156	Mon, 8/4/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Physical and Engineering Sciences Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Physical and Engineering Sciences		
<i>Organizer(s): Jeffery J. Luner, The Boeing Company</i>		
ML17:	Statistical Issues in Cybersecurity — ■Joanne R. Wendelberger, Los Alamos National Laboratory	
		Add To My Program
157	Mon, 8/4/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Quality and Productivity Roundtables with Lunch (fee event) - Roundtables - with Lunch		

Section on Quality and Productivity

Organizer(s): Donald W. McCormack, Jr., SAS Institute Inc.

ML18: [Nonclinical Applications in the Pharmaceutical Industry](#) — ■Richard K. Burdick, Amgen, Inc

ML19: [Being a Female Industrial Statistician](#) — ■Diane K. Michelson, International Sematech Manufacturing Initiative

[Add To My Program](#)

158

Mon, 8/4/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 5

Section on Statistical Education Roundtables with Lunch (fee event) - Roundtables - with Lunch

Section on Statistical Education

Organizer(s): Peter Westfall, Texas Tech University

ML20: [Improving Utility and Fairness of Course Evaluations](#) — ■Monnie McGee, Southern Methodist University

ML21: [How Do We Promote Quantitative Literacy Across the Undergraduate Curriculum, and How Will We Know if We Are Successful?](#) — ■A. John Bailer, Miami University

ML22: [Barriers to Teaching Introductory Statistical Inference](#) — ■Mark Berenson, Montclair State University

[Add To My Program](#)

159

Mon, 8/4/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 4

Section on Statistical Graphics Roundtable with Lunch (fee event) - Roundtables - with Lunch

Section on Statistical Graphics

Organizer(s): Steven N. MacEachern, The Ohio State University

ML23: [Data Visualization for the Masses](#) — ■Diane Lambert, Google, Inc.

[Add To My Program](#)

160

Mon, 8/4/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 4

Section on Statisticians in Defense and National Security Roundtable with Lunch (fee event) - Roundtables - with Lunch

Section on Statisticians in Defense and National Security

Organizer(s): Myron Katzoff, Centers for Disease Control and Prevention

ML24: [Statistical Support for Public Health Preparedness and Medical Emergency Response](#) — ■ Myron Katzoff, Centers for Disease Control and Prevention

[Add To My Program](#)

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Mon, 8/4/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 5

Section on Statistics in Epidemiology Roundtable with Lunch (fee event) - Roundtables - with Lunch**Section on Statistics in Epidemiology**

Organizer(s): Amy H. Herring, The University of North Carolina at Chapel Hill

ML25: [Analysis of Longitudinal Complex Survey Data Sets](#) — ■ Punam Pahwa, University of Saskatchewan

[Add To My Program](#)

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Mon, 8/4/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 5

Section on Survey Research Methods Roundtable with Lunch (fee event) - Roundtables - with Lunch**Section on Survey Research Methods**

Organizer(s): Elaine Zanutto, National Analysts Worldwide Research and Consulting

ML26: [Election Statistics Results](#) — ■ Wendy Rotz, Ernst & Young LLP

[Add To My Program](#)

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Mon, 8/4/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 5

Social Statistics Section Roundtable with Lunch (fee event) - Roundtables - with Lunch**Social Statistics Section**

Organizer(s): Kathleen S. O'Connor, Centers for Disease Control and Prevention

ML27: [Delving into Multiple Methods To Examine the Relationship Between Psychological Measurement and Empirical Outcome](#) — ■ Gideon D. Bahn, Loyola University Chicago; Martha E. Wynne, Loyola University Chicago; Mary Satchwell, Loyola University Chicago

		Add To My Program
CE_19C	Mon, 8/4/08, 1:00 PM - 5:00 PM	CC-204
Methods for Identifying and Dealing with Overdispersed Regression Models - Continuing Education - Course		
ASA		
<i>Instructor(s): Joseph M. Hilbe, Arizona State University</i>		
<p>We will define overdispersion in the context of binomial and count models and specify the difference between apparent and real overdispersion and how to identify each. We also will show methods that can be used to eradicate apparent overdispersion from a model, as well as discuss methods used to deal with real overdispersion.</p>		
		Add To My Program
CE_20C	Mon, 8/4/08, 1:00 PM - 5:00 PM	CC-210-212
Adaptive Analysis of Data: Tests of Significance and Confidence Intervals - Continuing Education - Course		
ASA		
<i>Instructor(s): Tom O'Gorman, Northern Illinois University</i>		
<p>I will present several adaptive methods for the analysis of data, beginning with a two-sample adaptive test, and then present an adaptive method of testing any subset of coefficients in a multiple regression model. I will also describe adaptive tests for interaction and main effects in the analysis of factorial experiments and adaptive tests for slope. The advantage of adaptive tests is that they are usually more powerful than the traditional tests for non-normal error distributions. As there is little power loss with normal error distributions, adaptive tests can be recommended for general use in studies having more than 20 observations. For each adaptive test, we will compare its performance to the traditional method, and I will show how to perform the test using a SAS macro. Adaptive tests used in the analysis of repeated measurements will be described and compared to the nonadaptive mixed model tests. In addition, I will describe a method of computing adaptive confidence intervals. Attendees should be familiar with basic statistical modeling-including multiple regression and the analysis of variance-at the level of Applied Regression Analysis (1998) by Draper and Smith.</p>		
		Add To My Program
164	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-605
Late-Breaking Session I: The Accuracy of Election Polls		
ASA, ENAR, IMS, SSC, WNAR, Section on Survey Research Methods, Scientific and Public Affairs Advisory Committee, Social Statistics Section		
<i>Organizer(s): David A. Marker, Westat, Inc.</i>		

<i>Chair(s): David A. Marker, Westat, Inc.</i>		
2:05 PM	Evaluating the Performance of the 2008 Pre-Election Polls in the Primaries — ■ Michael W. Traugott, The University of Michigan	
2:30 PM	Sources of Variation in Pre-Election Polling — ■ Cliff Zukin, Rutgers, The State University of New Jersey	
2:55 PM	Understanding and Communicating Sources of Measurement and Operational Error in Opinion Polls: Beyond Sampling Error — Kathleen A. Frankovic, CBS News	
3:20 PM	Disc: Clyde Tucker, Bureau of Labor Statistics	
3:40 PM	Floor Discussion	
		Add To My Program
165 ●	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-702
Semiparametric Regression and High-Dimensional Data - Invited - Papers		
Section on Nonparametric Statistics, IMS, Section on Physical and Engineering Sciences, WNAR		
<i>Organizer(s): David Ruppert, Cornell University</i>		
<i>Chair(s): Hua Liang, University of Rochester</i>		
2:05 PM	Semiparametric Modeling with Applications to Powerful Testing for Gene-Environment Interactions — ■ Raymond Carroll, Texas A&M University; Arnab Maity, Texas A&M University; Nilanjan Chatterjee, National Cancer Institute; Enno Mammen, University of Mannheim	
2:30 PM	Functional Embedding for High-Dimensional Data — ■ Hans G. Müller, University of California, Davis	
2:55 PM	Assist: A Suite of S Functions Implementing Spline-Smoothing Techniques — ■ Yuedong Wang, University of California, Santa Barbara; Chunlei Ke, Amgen, Inc	
3:20 PM	Bayesian Smoothness and Shrinkage Priors in Regression — ■ Ludwig Fahrmeir, University of Munich; Thomas Kneib, University of Munich	
3:45 PM	Floor Discussion	
		Add To My Program
166 ● ▲	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-607
Challenges of Statistical Inference in 'Large p, Small n' Problems - Invited - Papers		
Biometrics Section, Section on Nonparametric Statistics, Biopharmaceutical Section, Section on Statistics in Epidemiology, WNAR, IMS		

<i>Organizer(s): Annie Qu, Oregon State University</i>		
<i>Chair(s): Annie Qu, Oregon State University</i>		
2:05 PM	Large P, Small N Asymptotics for Detecting Gene Interactions — ■ Michael Kosorok, The University of North Carolina at Chapel Hill; Shuangge Ma, Yale University	
2:30 PM	Large Margin Hierarchical Classification — Huxiang Wang, The University of Minnesota; ■ Xiaotong Shen, The University of Minnesota; Wei Pan, The University of Minnesota	
2:55 PM	Sufficient Dimension Reduction for Small N, Large P Regressions — ■ Lexin Li, North Carolina State University; R. Dennis Cook, The University of Minnesota; Chih-Ling Tsai, University of California, Davis	
3:20 PM	Penalized Model-Based Clustering with Application to Microarray Data — ■ Wei Pan, The University of Minnesota; Benhuai Xie, The University of Minnesota; Xiaotong Shen, The University of Minnesota	
3:45 PM	Floor Discussion	
		Add To My Program
167  	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-107
Understanding and Improving Communication with Survey Respondents - Invited - Papers		
Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section		
<i>Organizer(s): Stanley R. Freedman, Energy Information Administration</i>		
<i>Chair(s): Cynthia Clark, U.S. Department of Agriculture</i>		
2:05 PM	Keeping Up with Survey Respondents — ■ Stanley R. Freedman, Energy Information Administration	
2:30 PM	Communicating with Survey Respondents at the UK Office for National Statistics — ■ Jacqui Jones, The Office for National Statistics, UK; Ann Lewis, The Office for National Statistics, UK; Georgina Jones, The Office for National Statistics, UK; Jackie Byard, The Office for National Statistics, UK	
2:55 PM	Customer and Respondent Outreach Initiatives at the Bureau of Labor Statistics — ■ William J. Wiatrowski, Bureau of Labor Statistics	
3:20 PM	Disc: Don Dillman, Washington State University	
3:40 PM	Floor Discussion	
		Add To My Program
168  	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-102

Statistical Issues for Internet Marketing and Price Optimization - Invited - Papers		
Section on Statistics and Marketing		
<i>Organizer(s): Stan Lipovetsky, GfK Custom Research North America</i>		
<i>Chair(s): Raimund Wildner, GfK-Nürnberg</i>		
2:05 PM	Internet Advertising and Monetization — ■ Paul Dagum, Business.Com	
2:30 PM	Online Ad Auctions — ■ Hal Varian, Google, Inc.	
2:55 PM	Modeling Consumer Search for Making Online Advertising Decisions — ■ Alan Montgomery, Carnegie Mellon University	
3:20 PM	Disc: Wendy Moe, University of Maryland, College Park	
3:40 PM	Floor Discussion	
		Add To My Program
169 ●	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-707
Research in Health-Related Monitoring - Invited - Papers		
Section on Quality and Productivity		
<i>Organizer(s): William Woodall, Virginia Polytechnic Institute and State University</i>		
<i>Chair(s): Shannon Fraker, Joint Research and Development (JRAD)</i>		
2:05 PM	Research Issues and Ideas on Health-Related Surveillance — ■ William H. Woodall, Virginia Polytechnic Institute and State University	
2:30 PM	Directionally Sensitive Multivariate Control Charts with an Application to Biosurveillance — ■ Inbal Yahav, University of Maryland, College Park; Galit Shmueli, University of Maryland, College Park	
2:55 PM	Risk-Adjusted Monitoring of Survival Times — ■ Landon Sego, Pacific Northwest National Laboratory; Marion R. Reynolds, Jr., Virginia Polytechnic Institute and State University; William H. Woodall, Virginia Polytechnic Institute and State University	
3:20 PM	Sparse Time Series Monitoring for Biosurveillance — ■ Howard S. Burkom, Johns Hopkins University; Yevgeniy Elbert, Johns Hopkins University	
3:45 PM	Floor Discussion	
		Add To My Program
170 ● ▲	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-703
Home Field Advantage in Sports - Invited - Papers		
Section on Statistics in Sports, Chance		

<i>Organizer(s): Michael J. Schell, Moffitt Cancer Center</i>		
<i>Chair(s): James J. Cochran, Louisiana Tech University</i>		
2:05 PM	There's No Place Like Home: Estimating Intra-Conference Home Field Advantage in College Football Using a Longitudinal Model — ■Byron Gajewski, Kansas University Medical Center	
2:30 PM	Using Neutral Site Games To Understand Home Field Advantage: Is It Possible? — Gary Simon, New York University; ■Jeffrey Simonoff, New York University	
2:55 PM	Coors Field: Why Is the Home Field Advantage so High and What Are Its Implications? — ■Michael J. Schell, Moffitt Cancer Center; Dan Ayers, Vanderbilt University	
3:20 PM	Disc: James H. Albert, Bowling Green State University	
3:40 PM	Floor Discussion	
		Add To My Program
171 ●	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-601
Analysis of Massive Online Social Networks - Invited - Papers		
Section on Statistical Computing , Section on Statisticians in Defense and National Security, Social Statistics Section		
<i>Organizer(s): Chris Volinsky, AT&T Labs - Research</i>		
<i>Chair(s): Chris Volinsky, AT&T Labs - Research</i>		
2:05 PM	Cost-Effective Outbreak Detection in Networks — ■Jure Leskovec, Carnegie Mellon University	
2:30 PM	Data Analysis at Facebook — ■Jeff Hammerbacher, Facebook	
2:55 PM	Deriving Marketing Intelligence from Online Discussion — ■Natalie Glance, Google - Pittsburgh	
3:20 PM	Disc: Peter Hoff, University of Washington	
3:40 PM	Floor Discussion	
		Add To My Program
172 ●	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-708
Applications of Copulas in Biostatistics and Statistical Genetics - Invited - Papers		
ENAR , Biopharmaceutical Section, WNAR, SSC, Biometrics Section		
<i>Organizer(s): Kouros Owzar, Duke University</i>		

<i>Chair(s): Kouros Owzar, Duke University</i>		
2:05 PM	A General Introduction to Frailty Models for Multivariate Survival Models and Induced Copula Structures — ■David Oakes, University of Rochester	
2:30 PM	Modeling Familial Association of Ages at Onset in the Presence of Competing Risk — ■Joanna Shih, National Cancer Institute	
2:55 PM	Quantitative Trait Linkage and Association Analysis Using Gaussian Copulas — ■Mingyao Li, University of Pennsylvania; Michael Boehnke, The University of Michigan; Goncalo Abecasis, The University of Michigan; Peter Song, University of Waterloo	
3:20 PM	Disc: Christian Genest, Université Laval	
3:40 PM	Floor Discussion	
Add To My Program		
173  	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-202
Are Disability Statistics Relevant and Useful for National Policies and Programs? - Invited - Panel		
Committee on Statistics and Disability , Section on Government Statistics, Social Statistics Section, Scientific and Public Affairs Advisory Committee		
<i>Organizer(s): Mary J. Chamie, Population Associates, Inc.</i>		
<i>Chair(s): Mary J. Chamie, Population Associates, Inc.</i>		
Abstract:	Are Disability Statistics Relevant and Useful for National Policies and Programs?	
Panelists:	<ul style="list-style-type: none"> ■Siobhan Carey, Central Statistics Office ■Michele J. Connolly, Sweetgrass Consulting LLC ■Daniel Mont, World Bank ■Susan Stobert, Statistics Canada 	
3:45 PM	Floor Discussion	
Add To My Program		
174  	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-109
To the Nth Power: Younger Statisticians Taking the Lead - Invited - Panel		
Social Statistics Section , Section on Government Statistics		
<i>Organizer(s): Juanita Tamayo Lott, U.S. Census Bureau</i>		
<i>Chair(s): Martha Aliaga, The American Statistical Association</i>		
Abstract:	To the Nth Power: Younger Statisticians Taking the Lead	

Panelists:	<ul style="list-style-type: none"> ■ Nagambal Shah, Spelman College ■ Ben Hansen, The University of Michigan ■ Gayla Olbricht, Purdue University ■ Brian A. Millen, Eli Lilly and Company 	
3:45 PM	Floor Discussion	
		Add To My Program
175	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-106
Pedagogical Issues in an Introductory Statistics Course - Invited - Panel		
Section on Statistical Education		
<i>Organizer(s): Kim Gilbert, Georgia Gwinnett College</i>		
<i>Chair(s): Christine Franklin, The University of Georgia</i>		
Abstract:	Pedagogical Issues in Introductory Statistics	
Panelists:	<ul style="list-style-type: none"> ■ Carolyn Cuff, Westminster College ■ E. Jacquelin Dietz, Meredith College ■ Kim Gilbert, Georgia Gwinnett College ■ Robert Gould, University of California, Los Angeles ■ Thomas H. Short, Indiana University of Pennsylvania 	
3:45 PM	Floor Discussion	
		Add To My Program
176 ●	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-606
New Statistical Methods and Challenges in Neurodegenerative Disease Research - Topic Contributed - Papers		
Section on Statistics in Epidemiology, WNAR, Biometrics Section		
<i>Organizer(s): Knashawn H. Morales, University of Pennsylvania</i>		
<i>Chair(s): Knashawn H. Morales, University of Pennsylvania</i>		
2:05 PM	Evaluating the Accuracy of a Diagnostic Test When the Diagnostic Test Is Subject to Measurement Error Using an Internal Reliability Sample, with Applications to Alzheimer's Disease — ■ Sharon X. Xie, University of Pennsylvania; Christopher M. Clark, University of Pennsylvania	
2:25 PM	Biologically Driven Data Reduction of Patterns of Change Seen on Structural Imaging — ■ Danielle Harvey, University of California, Davis; Laurel A. Beckett, University of California, Davis	

2:45 PM	Comparison of Biomarkers for Alzheimer's Disease Progression: Insights from the Alzheimer's Disease Neuroimaging Initiative — Laurel A. Beckett, University of California, Davis; ■ Hao Zhang, University of California, Davis
3:05 PM	Models for Identifying Risk Factors for Transitions from Intact Cognition to Mild Cognitive Impairment and Dementia — ■ Richard Kryscio, University of Kentucky; Lei Yu, University of Kentucky; Suzanne Tyas, University of Waterloo; David Snowden, University of Kentucky
3:25 PM	Disc: Sujuan Gao, Indiana University School of Medicine
3:45 PM	Floor Discussion

[Add To My Program](#)

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-603

Adaptive Design and Dose-Finding in Clinical Trials - Topic Contributed - Papers

Biopharmaceutical Section, Section on Risk Analysis, WNAR, Biometrics Section

Organizer(s): James Bolognese, Merck Research Laboratories

Chair(s): Bret J. Musser, Merck Research Laboratories

2:05 PM	Normal Dynamic Linear Model for Dose-Finding in a Phase II Bayesian Adaptive Trial — ■ Jason T. Connor, Berry Consultants; Scott M. Berry, Berry Consultants; Donald A. Berry, The University of Texas M.D. Anderson Cancer Center
2:25 PM	Adaptive Dose Selection Using Interim Analyses When Fitting a Bayesian Emax Model to Clinical Trial Data — ■ Neal Thomas, Pfizer, Inc.; Byron Jones, Pfizer, Inc.; Patrick Johnson, Pfizer, Inc.; Helen Richardson, Pfizer, Inc.
2:45 PM	Response-Adaptive Dose Finding Combining Multiple Comparison and Modeling Approaches — ■ Frank Bretz, Novartis Pharmaceuticals; Jose Pinheiro, Novartis Pharmaceuticals; Bjoern Bornkamp, University of Dortmund
3:05 PM	Comparing a Bayesian Approach with the Frequentist T-Statistic Method in Adaptive Dose-Finding Trials — ■ Nitin R. Patel, Cytel Inc.; James Bolognese, Merck Research Laboratories; Inna Perevozskaya, Merck Research Laboratories; Robert B. Smith, Cytel Inc.
3:25 PM	Disc: Brenda Gaydos, Eli Lilly and Company
3:45 PM	Floor Discussion

[Add To My Program](#)

178 ●

Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-110

Bayesian Bioinformatics and Bayesian Biostatistics - Topic Contributed - Papers		
Section on Bayesian Statistical Science , Biopharmaceutical Section, WNAR		
<i>Organizer(s): Lynn Kuo, University of Connecticut</i>		
<i>Chair(s): Fang Yu, University of Nebraska</i>		
2:05 PM	Combining Classifiers To Select Differentially Expressed Genes for Microarray Data — ■Lynn Kuo, University of Connecticut; Wangang Xie, University of Connecticut; Yifang Zhao, University of Connecticut	
2:25 PM	Detection of Copy Number Variations from High-Density SNP Arrays: An Integrated Bayesian Hidden Markov Model Approach Incorporating Pedigree Information — ■Zhen Chen, University of Pennsylvania; Mahlet Tadesse, Georgetown University; Kai Wang, University of Pennsylvania; Mingyao Li, University of Pennsylvania	
2:45 PM	Reexamine Bayes Factor Methods for Bayesian Phylogenetic Inference — Ming-Hui Chen, University of Connecticut; Yu Fan, University of Connecticut; Paul O. Lewis, University of Connecticut; Lynn Kuo, University of Connecticut; ■Wangang Xie, University of Connecticut	
3:05 PM	Incorporating Structural Equation Modeling to Fecundity Models — ■Sung Duk Kim, National Institute of Child Health and Human Development; Rajeshwari Sundaram, National Institutes of Health; Germaine B. Louis, National Institute of Child Health and Human Development	
3:25 PM	Statistical Methods for Analysis of Genomic Data with Graphical Structures — ■Caiyan Li, University of Pennsylvania; Hongzhe Li, University of Pennsylvania	
3:45 PM	Floor Discussion	
		Add To My Program
179	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-111
Section on Health Policy Statistics Student Paper Award Winners - Topic Contributed - Papers		
Section on Health Policy Statistics , Section on Nonparametric Statistics		
<i>Organizer(s): Mary Beth Landrum, Harvard Medical School</i>		
<i>Chair(s): Mary Beth Landrum, Harvard Medical School</i>		
2:05 PM	An Algorithm for Optimal Tapered Matching, with Application to Disparities in Survival — ■Shoshana R. Daniel, University of Pennsylvania; Katrina Armstrong, University of Pennsylvania; Jeffrey H. Silber, University of Pennsylvania; Paul R. Rosenbaum, University of Pennsylvania	
2:25 PM	Estimating the Capacity for Improvement in Risk Prediction with a Marker — ■Wen Gu, University of Washington	

2:45 PM	A Class of Semiparametric Mixture Cure Survival Models with Dependent Censoring — ■Megan Othus, Harvard University/Dana Farber Cancer Institute; Yi Li, Harvard University/Dana Farber Cancer Institute; Ram C. Tiwari, National Cancer Institute
3:05 PM	A New Synthesis Method for Multiple Linear Regression — ■Nan Hu, University of Washington
3:25 PM	Semiparametric Efficient Estimator for Incomplete Longitudinal Binary Data with Application to Smoking Trends — ■Jamie Perin, The University of North Carolina at Chapel Hill; John Preisser, The University of North Carolina at Chapel Hill; Paul Rathouz, The University of Chicago
3:45 PM	Floor Discussion
Add To My Program	
180	Mon, 8/4/08, 2:00 PM - 3:50 PM
CC-709	
Environmental Risk: Risk Assessment and Dose-Response Models - Topic Contributed - Papers	
Section on Risk Analysis, Section on Statistics in Epidemiology	
<i>Organizer(s): Susan J. Simmons, The University of North Carolina, Wilmington</i>	
<i>Chair(s): Colleen Kelly, Exponent, Inc.</i>	
2:05 PM	Estimating Daily Growth Estimates of Ride Tide Algae — ■Susan J. Simmons, The University of North Carolina, Wilmington; Alaina Houmand, The University of North Carolina, Wilmington
2:25 PM	Empirical Evaluation of Sufficient Similarity in Dose-Response for Environmental Risk Assessment of a Mixture of 11 Pyrethroids — ■LeAnna G. Stork, Monsanto Company; Chris Gennings, Virginia Commonwealth University; Scott Marshall, Virginia Commonwealth University; Mike DeVito, U.S. Environmental Protection Agency; Kevin M. Crofton, U.S. Environmental Protection Agency
2:45 PM	Model Averaging of Dosages from Toxicology Studies: Approaches and Pitfalls — ■Edward L. Boone, Virginia Commonwealth University
3:05 PM	Low-Dose Extrapolation from Points of Departure or from Model-Averaged Estimates — ■A. John Bailer, Miami University; Matthew Wheeler, Centers for Disease Control and Prevention
3:25 PM	Disc: Mehmet Sahinoglu, Troy University Montgomery
3:45 PM	Floor Discussion
Add To My Program	

181 	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-104
Getting It Real: Encouraging Critical Thinking Through Exposure to Reality - Topic Contributed - Papers		
Section on Statistical Education		
<i>Organizer(s): David Zeitler, Grand Valley State University</i>		
<i>Chair(s): David Zeitler, Grand Valley State University</i>		
2:05 PM	How To Structure Effective Semester-Long Group Projects for Applying and Integrating Course Concepts —  Douglas M. Andrews, Wittenberg University	
2:25 PM	Utilizing Projects in Teaching Statistics to Professional Students: Successes and Challenges —  Heather M. Bush, University of Kentucky	
2:45 PM	Student Generated Data vs. Teacher Supplied Real Data vs. Teacher Created Data —  Steven Dafilou, Springside School	
3:05 PM	Using Real Data To Teach Statistics —  Paulette Ceesay, Merck & Co., Inc.	
3:25 PM	Encouraging Statistical Thinking Through the Writing of Newspaper Articles —  Meike Niederhausen, University of Portland	
3:45 PM	Floor Discussion	
		Add To My Program
182  	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-706
Statistical Science Applications in National Security: A Session in Honor of Professor Donald P. Gaver - Topic Contributed - Papers		
Section on Statisticians in Defense and National Security		
<i>Organizer(s): Ronald D. Fricker, Jr., Naval Postgraduate School</i>		
<i>Chair(s): Ronald D. Fricker, Jr., Naval Postgraduate School</i>		
2:05 PM	Donald Gaver's Contributions to Reliability Theory and Applications —  Francisco J. Samaniego, University of California, Davis	
2:25 PM	Uncertain Time-Critical Tasking Problems —  Kevin D. Glazebrook, Lancaster University	
2:45 PM	Heavy Traffic Analysis of Real-Time Queues —  John Lehoczky, Carnegie Mellon University; Kavita Ramanan, Carnegie Mellon University; Steven Shreve, Carnegie Mellon University; Lukasz Kruk, Maria Curie-Sklodowska University	
3:05 PM	Analytical Challenges in Defense Test and Evaluation —  Ernest A. Seglie, Office of the Secretary of Defense	

3:25 PM	Disc: Patricia Jacobs, Naval Postgraduate School	
3:45 PM	Floor Discussion	
Add To My Program		
183	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-113
Collecting Spatial Data - Topic Contributed - Papers		
Section on Statistics and the Environment , Section on Physical and Engineering Sciences, Section on Survey Research Methods		
<i>Organizer(s): Werner G. Mueller, Johannes Kepler University</i>		
<i>Chair(s): Patrick E. Murphy, University College Dublin</i>		
2:05 PM	Spatial Multipurpose Designs — ■ Werner G. Mueller, Johannes Kepler University	
2:25 PM	On the Effect of Collocation on the Quality of Multivariate Spatial Prediction — ■ Dale Zimmerman, The University of Iowa	
2:45 PM	Sampling Strategies for Estimating the Spatial Mean of Temporal Trends — ■ Dick Brus, Wageningen University and Research Centre, Alterra	
3:05 PM	Spatial Network Design To Detect Regional Trends in PM2.5 — ■ Zhengyuan Zhu, The University of North Carolina at Chapel Hill	
3:25 PM	Spatial Sampling Design Using Support Vector Machines — ■ Mikhail Kanevski, Institute of Geomatics and Analysis of Risk; Alexei Pozdnoukhov, Institute of Geomatics and Analysis of Risk	
3:45 PM	Floor Discussion	
Add To My Program		
184 ● ▲	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-710
Development and Validation of Biomarkers - Topic Contributed - Papers		
WNAR , Section on Statistics in Epidemiology, Biometrics Section		
<i>Organizer(s): Hyun Jung (Grace) Kim, University of California, Los Angeles</i>		
<i>Chair(s): Constantine Gatsonis, Brown University</i>		
2:05 PM	Imaging Endpoints for Clinical Trials: The Sharp Score for Radiographic Data in Rheumatoid Arthritis — ■ Grace S. Park, Amgen, Inc	
2:25 PM	Evaluation Process of Imaging Biomarker: Quantitative Lung Fibrosis (QLF) Score for Computer Tomography (CT) Data in Interstitial Lung Disease — ■ Hyun Jung (Grace) Kim, University of California, Los Angeles; Gang Li, University of California, Los Angeles	

2:45 PM	Statistical Issues in Discovery and Validation of Genomic Biomarkers for Medical Prognosis and Drug Development — ■MyungShin Oh, Baxter Healthcare Corp.
3:05 PM	Enrichment Design and Statistical Inference for Cancer Biomarker Validation Study — ■Xiaofei Wang, Duke University Medical Center; Haibo Zhou, The University of North Carolina at Chapel Hill
3:25 PM	Disc: Guoxing (Greg) Soon, U.S. Food and Drug Administration
3:45 PM	Floor Discussion
Add To My Program	
185	Mon, 8/4/08, 2:00 PM - 3:50 PM CC-704
Responding to New Challenges: Statistics in Clinical and Translational Science - Topic Contributed - Panel	
Biometrics Section , Biopharmaceutical Section, Section on Teaching Statistics in the Health Sciences, WNAR, Section on Health Policy Statistics	
<i>Organizer(s): Laura L. Johnson, National Center for Complementary and Alternative Medicine</i>	
<i>Chair(s): Laura L. Johnson, National Center for Complementary and Alternative Medicine</i>	
Abstract:	Responding to New Challenges: Statistics in Clinical and Translational Science
Panelists:	■Knut M. Wittkowski, The Rockefeller University ■J. Philip Miller, Washington University School of Medicine ■Frank E. Harrell, Jr., Vanderbilt University ■Sally Thurston, University of Rochester
3:45 PM	Floor Discussion
Add To My Program	
186 ●	Mon, 8/4/08, 2:00 PM - 3:50 PM CC-103
Small-Area Estimates - Contributed - Papers	
Section on Survey Research Methods , Section on Government Statistics, Social Statistics Section	
<i>Chair(s): Rachel M. Harter, National Opinion Research Center</i>	
2:05 PM	The False Discovery Rate in ACS: Helping Users Understand Estimates for Small Domains — ■Robert E. Fay, Westat, Inc.
2:20 PM	Spatial Modeling and Prediction of County-Level Employment Growth Rate Data — ■Nadarajasundaram Ganesh, National Opinion Research Center

2:35 PM	Small-Area Estimation for Alcohol Drinking Among Teenagers — ■Hsing-Yi Chang, National Health Research Institutes; Yu-Wen Wen, National Health Research Institutes
2:50 PM	Benchmarked Hierarchical Bayesian Posterior Predictive Model Selection — ■Lu Lu, Iowa State University; Michael D. Larsen, Iowa State University
3:05 PM	Further Developments in a Hierarchical Bayes Approach to Small-Area Estimation of Health Insurance Coverage: State-Level Estimates for Demographic Groups — ■Steven Riesz, U.S. Census Bureau; Mark Bauder, U.S. Census Bureau; Donald M. Luery, U.S. Census Bureau
3:20 PM	The Connection Between Bayesian- and Resampling-Based Inference in Small-Area Models — ■Snigdhanu Chatterjee, The University of Minnesota
3:35 PM	Floor Discussion

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-105

Sampling Frames - Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section

Chair(s): Christopher H. Johnson, Centers for Disease Control and Prevention

2:05 PM	GeoFrame: A Technological Advancement in Field Enumeration — ■Joseph P. McMichael, RTI International; Leslie Athey, RTI International; Brian Evans, RTI International; Victoria Albright, RTI International
2:20 PM	Using Digital Imagery To Update the Measures of Size of Area Segments — ■Lee Harding, Westat, Inc.; Sylvia Dohrmann, Westat, Inc.; Lin Li, Westat, Inc.; Lester R. Curtin, Centers for Disease Control and Prevention
2:35 PM	Success Using an Age-Targeted List Sample for the National Immunization Survey - Adult — ■Steven Pedlow, National Opinion Research Center; Hee-Choon Shin, National Opinion Research Center; Ashley Amaya, National Opinion Research Center; Gary L. Euler, National Center for Immunization and Respiratory Diseases; Meena Khare, National Center for Health Statistics
2:50 PM	Challenges and Methods in Creating Secondary Sampling Units for Area Probability Samples — ■Bryce Johnson, Westat, Inc.; Jill Montaquila, Westat, Inc.
3:05 PM	Assessing the Filter Rules for Extracting Addresses from the Master Address File To Construct a Housing Unit Frame for Current Demographic Surveys — ■Joel Martin, U.S. Census Bureau; Clifford Loudermilk, U.S. Census Bureau

3:20 PM	Evaluating the American Community Survey as a Potential Sampling Frame for the National Survey of College Graduates — ■John Finamore, U.S. Census Bureau; David Hall, U.S. Census Bureau
3:35 PM	Stratification and Allocation for the Estimation of a Complex Statistic with Auxiliary Data — ■Serge Godbout, Statistics Canada

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-604

Variations on Designs - Contributed - Papers

Section on Statistics in Epidemiology, Section on Survey Research Methods, Biometrics Section

Chair(s): Nicole Close, EmpiriStat, Inc.

2:05 PM	Sampling Issues in Biomarker Studies of Nevus Phenotypes — ■Jaya M. Satagopan, Memorial Sloan-Kettering Cancer Center
2:20 PM	Assessing the Impact of Intervention — ■Shailendra N. Banerjee, Centers for Disease Control and Prevention
2:35 PM	Noncompliance-Corrected Effect of Randomized Highly Active Antiretroviral Therapy on Incident Aids or Death Using Inverse Probability-of-Censoring Weights — ■Lauren E. Cain, Johns Hopkins Bloomberg School of Public Health; Stephen R. Cole, Johns Hopkins Bloomberg School of Public Health
2:50 PM	The Exposure-Controlled Retrospective Study: Application to High-Incidence Diseases — ■Peng T. Liu, U.S. Food and Drug Administration
3:05 PM	Semiparametric-Efficient Estimation for Multistage Case-Control Studies — ■Alastair J. Scott, University of Auckland; Alan J. Lee, University of Auckland; Chris J. Wild, University of Auckland
3:20 PM	A Steady-State Effect of a Cancer Screening Intervention — ■Shih-Yuan Lee, The University of Michigan; Alexander Tsodikov, The University of Michigan
3:35 PM	Estimation in Hidden Population Using Social Network — ■Yang Zhao, University of Regina

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-602

Applications in Statistical Consulting - Contributed - Papers

Section on Statistical Consulting

Chair(s): Helen Wu, The University of Texas Medical Branch

2:05 PM	Strategies for New Statisticians Venturing into the Real World — ■ Laura Vazquez, Shepherd Center
2:20 PM	A Total Health Care Costs Analysis for Multiple Sclerosis Patients: Lessons Learned, or How Could My Study Have Been More Efficient? — ■ Andrea McAllister, Highmark Inc.
2:35 PM	Percent Effort vs. Fee-for-Service: Communicating with Investigators About Cost Recovery — ■ Richard F. Ittenbach, Cincinnati Children's Hospital Medical Center; Francis W. DeAngelis, The Children's Hospital of Philadelphia
2:50 PM	Innovative Application of Statistics to Studies from Academic Medical Centers — ■ Jayawant Mandrekar, Mayo Clinic
3:05 PM	How Are Mathematics GPA and Several Other Factors Related to University Time-to-Graduation? — ■ Xiaohui S. Wang, The University of Texas-Pan American
3:20 PM	Estimation of the Correlation Coefficient of Left-Censored and Repeated Measures Data — ■ Agustin Calatroni, Rho, Inc.; Cindy Visness, Rho, Inc.; Herman Mitchell, Rho, Inc.
3:35 PM	Parameter Selection for SUP Clustering Algorithm — ■ Ting-Li Chen, Institute of Statistical Science, Academia Sinica; Shang-Ying Shiu, Institute of Statistical Science, Academia Sinica

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-701

Bayesian and Likelihood Inference - Contributed - Papers

Section on Statistical Computing, Section on Bayesian Statistical Science

Chair(s): Ginger Davis, University of Virginia

2:05 PM	Bayesian Scale Space Analysis of Image Differences — ■ Leena A. Pasanen, University of Oulu; Lasse Holmström, University of Oulu
2:20 PM	Bayesian Inference for Measures of Model Fit — ■ Joseph Retzer, Maritz Research
2:35 PM	Bayesian Nonparametric Model for fMRI of the Visual Cortex — ■ Raymond G. Hoffmann, Medical College of Wisconsin; Nicholas M. Pajewski, Medical College of Wisconsin; Edward A. DeYoe, Medical College of Wisconsin; Daniel B. Rowe, Medical College of Wisconsin
2:50 PM	Bayesian and Non-Bayesian Approaches to Sample Size Determination — ■ Junheng Ma, Case Western Reserve University; Jiayang Sun, Case Western Reserve University; Joe Sedransk, Case Western Reserve University

3:05 PM	Large Gaussian Covariance Matrix Estimation with Markov Structure — ■Xinwei Deng, Georgia Institute of Technology; Ming Yuan, Georgia Institute of Technology
3:20 PM	Simulation-Based Visualization of Inference Functions — ■Daeyoung Kim, The Pennsylvania State University; Bruce G. Lindsay, The Pennsylvania State University
3:35 PM	Identifying Statistically Significant Clusters — ■Ranjan Maitra, Iowa State University; Volodymyr Melnykov, Iowa State University

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-705

Advances in Modeling Physical Data - Contributed - Papers

Section on Physical and Engineering Sciences, Section on Nonparametric Statistics

Chair(s): Jeffery J. Luner, The Boeing Company

2:05 PM	Divergence-Based Kernel for Spectrum Classification and Its Applications — ■Tsukasa Ishigaki, The Institute of Statistical Mathematics; Tomoyuki Higuchi, The Institute of Statistical Mathematics
2:20 PM	Smoothing Spectral Data — ■Tom Burr, Los Alamos National Laboratory; Scott Garner, Los Alamos National Laboratory; Nicolas Hengartner, Los Alamos National Laboratory; Steve Myers, Los Alamos National Laboratory
2:35 PM	Inference for Multi-Piecewise Regression Using the Bootstrap — ■Trevor Craney, Shell E&P
2:50 PM	Splines with Bounded Extrapolation — ■Spencer Graves, PDF Solutions
3:05 PM	Fast FSR Methods for Second-Order Linear Regression Models — ■Hugh B. Crews, North Carolina State University; Dennis Boos, North Carolina State University; Leonard Stefanski, North Carolina State University
3:20 PM	Interpreting Spline Fits via the Coefficients of Local Taylor Approximations — ■Sundar Dorai-Raj, PDF Solutions; Spencer Graves, PDF Solutions
3:35 PM	Floor Discussion

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-101

Data Modeling - Contributed - Papers

Section on Government Statistics, Section on Survey Research Methods, Social Statistics Section

Chair(s): Eugene M. Burns, Energy Information Administration

2:05 PM	SAIPE County Poverty Models Using Data from the American Community Survey — Wesley Basel, U.S. Census Bureau; ■David Powers, U.S. Census Bureau; Brett O'Hara, U.S. Census Bureau
2:20 PM	Model Utility in a Time Series with Interventions: A Case Study — ■Joy Oliver, The University of Tennessee, Knoxville; William L. Seaver, The University of Tennessee, Knoxville; David J. Woehr, The University of Tennessee, Knoxville; Brian K. Griepentrog, Fors Marsh Group
2:35 PM	Multivariate Analysis of Waiting and Treatment Time in Emergency Departments — ■Abera Wouhib, National Center for Health Statistics; Myron Katzoff, Centers for Disease Control and Prevention; Meena Khare, National Center for Health Statistics
2:50 PM	Tracking Consumer Energy Price Change: An Overview of Federal Data Sources and Methodologies — ■Janice Lent, Energy Information Administration; Joseph Ayoub, Energy Information Administration
3:05 PM	Estimating Valid Signatures on a Petition: Power To Choose Between W and A Goodman Type — ■Mark E. Eakin, The University of Texas at Arlington; Mary M. Whiteside, The University of Texas at Arlington
3:20 PM	A Smoothing Approach to Data Masking — ■Yijie Zhou, Merck & Co., Inc.; Francesca Dominici, Johns Hopkins University; Thomas A. Louis, Johns Hopkins University
3:35 PM	Floor Discussion

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-112

Bayesian Methods for Missing Data - Contributed - Papers

Section on Bayesian Statistical Science, Section on Survey Research Methods, Section on Health Policy Statistics

Chair(s): Anna Simoni, Toulouse School of Economics (GREMAQ)

2:05 PM	Bayesian Analysis for the Difference of Two Poisson Rates with Data Subject to Under-Reporting — ■Brandi Greer, Baylor University; Dean Young, Baylor University; James Stamey, Baylor University
2:20 PM	A Bayesian Cox-Regression Model with Informative Censoring — ■Niko Kaciroti, The University of Michigan
2:35 PM	Effects of Missing and Censored Data for Nonlinear Models Involving ODEs — Sujit Ghosh, North Carolina State University; ■Haojun Ouyang, North Carolina State University
2:50 PM	Multivariate Mixed-Effects Models for Imputing Panel Missingness in Longitudinal Administrative Data Sets — ■Recai M. Yucel, SUNY-Albany

3:05 PM	Bayesian Semiparametric Density Regression with Measurement Error — ■Ju-Hyun Park, The University of North Carolina at Chapel Hill; David Dunson, National Institute of Environmental Health Science
3:20 PM	Bayesian Variable Selection for Large Data Sets with Missing Covariates — ■Jessica Z. Li, University of Florida; George Casella, University of Florida
3:35 PM	Floor Discussion
Add To My Program	
194	Mon, 8/4/08, 2:00 PM - 3:50 PM CC-711
Estimation, Testing, and Clustering in High Dimensions - Contributed - Papers	
IMS, Section on Nonparametric Statistics	
<i>Chair(s): Hugh Chipman, Acadia University</i>	
2:05 PM	Estimating Individual Effect Sizes and Local FDR in Multiple-Hypothesis Testing — ■József Bukszár, Virginia Commonwealth University; Edwin J.C.G. van den Oord, Virginia Commonwealth University
2:20 PM	Exact Calculations of Expected Power for the Benjamini-Hochberg Procedure — ■Deborah Glueck, University of Colorado Denver; Jan Mandel, University of Colorado Denver; Anis Karimpour-Fard, University of Colorado Denver; Lawrence Hunter, University of Colorado Denver; Keith E. Muller, University of Florida
2:35 PM	Step-Up Tests for Number of Active Effects in Orthogonal Saturated Designs — ■Samuel S. Wu, University of Florida; Weizhen Wang, Wright State University
2:50 PM	G-PLUS Algorithm for Concave-Penalized Negative Likelihood Selection — ■Wenhua Jiang, Rutgers, The State University of New Jersey; Cun-Hui Zhang, Rutgers, The State University of New Jersey
3:05 PM	Model-Based Clustering with Nonparametric Maximum Likelihood — ■Yeojin Chung, The Pennsylvania State University ; Bruce G. Lindsay, The Pennsylvania State University; Jia Li, The Pennsylvania State University
3:20 PM	Adaptive Regularization Through Entire Solution Surface — ■Seongho Wu, The University of Minnesota
3:35 PM	Floor Discussion
Add To My Program	
195	Mon, 8/4/08, 2:00 PM - 3:50 PM CC-608
Multivariate Survival Analysis: Theory and Methods - Contributed - Papers	

Biometrics Section, Section on Quality and Productivity, Section on Statistics in Epidemiology, WNAR

Chair(s): Jim Godbold, Mount Sinai School of Medicine

2:05 PM	The Analysis of Bivariate Truncated Data Using the Clayton Copula Model — ■Antai Wang, Georgetown University
2:20 PM	Semiparametric Estimation with Correlated Recurrent Event Data Under Informative Monitoring — ■Akim M. Adekpedjou, University of Missouri-Rolla; Jonathan Quiton, Western Kentucky University
2:35 PM	A Frailty Model in Crossover Studies with Time-to-Event Response Variable — ■Ilya Shvartsman, The Pennsylvania State University, Harrisburg; Vernon Chinchilli, Pennsylvania State College of Medicine
2:50 PM	Marginal Hazards Regression for Case-Cohort Studies with Multiple Disease Outcomes — ■Sangwook Kang, The University of Georgia; Jianwen Cai, The University of North Carolina at Chapel Hill
3:05 PM	Extension of Flowgraph Models with Covariates for Evaluating Effects of Kidney Replantation — ■Ya-Hui Hsueh, Tulane University School of Public Health and Tropical Medicine; C. Lillian Yau, Tulane University School of Public Health and Tropical Medicine
3:20 PM	Prediction in Multivariate Survival Models — ■M. Brent McHenry, Bristol-Myers Squibb Company; Stuart R. Lipsitz, Harvard Medical School; Debajyoti Sinha, Florida State University; Sundar Natarajan, VA New York Harbor Harbor Healthcare System
3:35 PM	Floor Discussion

[Add To My Program](#)

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Mon, 8/4/08, 2:00 PM - 3:50 PM

CC-108

Volatility - Contributed - Papers

Business and Economics Statistics Section, IMS

Chair(s): Rebecca J. Sela, Stern School of Business/New York University

2:05 PM	Autoregressive Models with Missing Data and Dependent Innovations — ■Natalia Bahamonde, Pontificia Universidad Católica de Valparaíso
2:20 PM	The Contribution of Jumps to Price Volatility in the Energy Futures Market — ■Johan Bjursell, George Mason University; James E. Gentle, George Mason University; George H K. Wang, George Mason University
2:35 PM	GARCH Model with Non-I.I.D. Rescaled Errors — ■Kazuhiko Shinki, University of Wisconsin-Madison

2:50 PM	Memory Structure in Stochastic Volatility Models — ■Wen Li, Iowa State University; Cindy Yu, Iowa State University; Alicia Carriquiry, Iowa State University; Wolfgang Kliemann, Iowa State University
3:05 PM	How Potent Are News Reversals? Evidence from the Futures Markets — ■Rohan A. Christie-David, University of Louisville; Arjun Chatrath, University of Portland; Kiseop Lee, University of Louisville
3:20 PM	Empirical Volatility and Seasonality Models for Electricity Futures Prices — ■Hai Dong, University of South Carolina
3:35 PM	Filtering and Option Pricing with Transformation — ■Hui Gong, Temple University; Aerambamoorthy Thavaneswaran, University of Manitoba; Jagbir Singh, Temple University
Add To My Program	
197	Mon, 8/4/08, 2:00 PM - 3:50 PM CC-712
Statistical Methods in Bioinformatics - Contributed - Papers	
Biometrics Section, Biopharmaceutical Section, WNAR	
<i>Chair(s): Yangxin Huang, University of South Florida</i>	
2:05 PM	Bayes' Odds Estimation for Protein-Protein Interactions — ■Julia L. Sharp, Clemson University; Kevin K. Anderson, Pacific Northwest National Laboratory; Don S. Daly, Pacific Northwest National Laboratory; John J. Borkowski, Montana State University; Gregory B. Hurst, Oak Ridge National Laboratory; William R. Cannon, Pacific Northwest National Laboratory
2:20 PM	Statistical Methods for Genetic Association Study in Admixed Population — ■Qinyi Cheng, New York University; Mengling Liu, New York University; Yongzhao Shao, Iowa State University
2:35 PM	Partial Genomic Selection in Animal Populations — ■Natascha Vukasinovic, Newsham Choice Genetics
2:50 PM	A Bayesian Approach To Estimate P(R) Curve from Small-Angle Scattering (SAS) Images — ■Sudeshna Paul, Purdue University; Alan Friedman, Purdue University; Chris Bailey-Kellogg, Dartmouth College; Bruce Craig, Purdue University
3:05 PM	Disentangling the Selection Pressures Acting on Overlapping Reading Frames — ■Karin S. Dorman, Iowa State University; Wei-Chen Chen, Iowa State University
3:20 PM	Prediction of Protein Inter-Domain Linker Regions by a Nonstationary Hidden Markov Model — ■Kyoung-hwa Bae, American College of Radiology; Bani K. Mallick, Texas A&M University; Christine G. Elisk, Georgetown University
3:35 PM	Floor Discussion

		Add To My Program
198  	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-610-612
Issues Related to Clinical Endpoints and Biomarkers - Contributed - Papers		
Biopharmaceutical Section , Section on Statistics in Epidemiology, WNAR, Biometrics Section		
<i>Chair(s): Rick Lewis, GlaxoSmithKline</i>		
2:05 PM	Do Opinions from Statisticians on Endpoints Count? —  Ling Chen, U.S. Food and Drug Administration	
2:20 PM	Combining Biomarker Selection and Modeling in Early Clinical Development —  Alan Y. Chiang, Eli Lilly and Company	
2:35 PM	Quantifying the Usefulness of PD Biomarkers in Phase II Screening Trials of Oncology Drugs —  Eric B. Holmgren, Genentech, Inc.	
2:50 PM	Impact of Measurement Variability in PROs and How Under- or Over-Reporting of Extreme Valued Response May Influence Conclusions —  Tammy Massie, U.S. Food and Drug Administration	
3:05 PM	Floor Discussion	
		Add To My Program
199	Mon, 8/4/08, 2:00 PM - 3:50 PM	CC-F Lobby
Contributed Poster Presentations - Contributed - Poster Presentations		
Biometrics Section, Biopharmaceutical Section, Business and Economics Statistics Section, IMS, Section on Bayesian Statistical Science, Section on Government Statistics, Section on Health Policy Statistics, Section on Physical and Engineering Sciences, Section on Risk Analysis, Section on Statistical Computing, Section on Statistical Consulting, Section on Statistical Graphics, Section on Statistics and Marketing, Section on Statistics in Epidemiology, Social Statistics Section, WNAR, Section on Nonparametric Statistics		
<i>Organizer(s): John Castelloe, SAS Institute Inc.</i>		
<i>Chair(s): John Castelloe, SAS Institute Inc.</i>		
Poster Topic: <i>Applications and case studies:</i>		
66:	Bayesian Optimal Design for Nonlinear Combinations of Parameters in Gaddum/Schild Model —  Zhongwen Tang, Kansas State University	
67:	Symbolic Data Analysis Applied to Census Data —  Antonio Giusti, University of Florence; Laura Grassini, University of Florence	

68:	An Adaptive, Two-Stage, Dose Exploration Design for the Estimation of a Human Colonizing Dose 50 (HCD50) and Human Colonizing Dose 90 (HCD90) — ■Yu-Hui H. Chang, The University of Iowa; Kathryn Chaloner, The University of Iowa; Patricia Winokur, The University of Iowa; Michael Apicella, The University of Iowa; Wei Zhang, Boehringer Ingelheim Pharmaceuticals, Inc.
69:	Identification of Penicillium Species Using Discriminant Analysis — ■James Slaven, National Institute for Occupational Safety and Health; Justin Hettick, National Institute for Occupational Safety and Health; Brett Green, Sporometrics; Amanda Buskirk, National Institute for Occupational Safety and Health; Don Beezhold, National Institute for Occupational Safety and Health; Michael Kashon, National Institute for Occupational Safety and Health
70:	Cluster Analysis and Predicting Transcription Factor Regulatory Network — ■Dongseok Choi, Oregon Health & Science University; Zhixin Kang, University of Illinois at Chicago; George C. Tiao, The University of Chicago
71:	Estimating Weekly Stocks of Other Oils — ■Ruey-Pyng Lu, Energy Information Administration
72:	Autopsy Status of Homicide Victims and Medical Examiner/Coroner System in the United States in 1979--1994 — ■Hsiang-Ching Kung, National Center for Health Statistics; Xinhua Liu, Columbia University; Donna L. Hoyert, National Center for Health Statistics
73:	Comparisons of the Uses of Logistic and Probit Regression in the Aerospace and Biomedical Fields — ■Peter Hovey, University of Dayton; Rafe Donahue, Vanderbilt University
74:	Equivalency Criteria in Pharmaceutical vs. Engineering Applications — ■Elizabeth Whalen, The Boeing Company
75:	Power Transformations Based on Data from the National Health and Nutrition Examination Surveys — ■Margaret D. Carroll, National Center for Health Statistics
76:	Analysis of the Growth Rate of Prostate-Specific Antigen of Prostate Cancer Patients by a Linear Spline Model with Mixed Effects — ■Suyan Tian, Rockefeller University
77:	Applications of Nonclinical Biostatistics in Biotechnology Industry — ■Priya Kulkarni, Genentech, Inc.
78:	Market Segmentation of Customers' Satisfaction and Their Willingness To Pay for the Cable TV Industry of the Chung-Hua Area in Taiwan — ■Nai-Hua Chen, Chienkuo Technology University; Ching-Tong Wu, Chienkuo Technology University; Shu-jing Chiu, Chienkuo Technology University; Chung Tu, Chienkuo Technology University

79:	A Natural Experiment Examining Proximity to Emergency Department (ED) as a Predictor of Frequent ED Use Among Asthmatic Children in the Inner City — ■Henry T. Bahnson, Rho, Inc.; Agustin Calatroni, Rho, Inc.; John Schwarz, Rho, Inc.; Herman Mitchell, Rho, Inc.
80:	Undergraduate Retention Using Cox Regression — ■Barbara Warsavage, California State University, East Bay
Poster Topic: <i>Categorical, multivariate analysis:</i>	
81:	An Algorithm for Estimating Power and Sample Size for Logistic Models with One or More Independent Variables of Interest — ■Jay Northern, University of Arkansas for Medical Sciences; D. Keith Williams, University of Arkansas for Medical Sciences; Zoran Bursac, University of Arkansas for Medical Sciences
82:	Effect on Power of Categorizing Continuous Variables — ■T. Robert Harris, The University of Texas School of Public Health
83:	An Organized Investigation of Sample Size in Independent and Paired Dichotomous Data — ■Kang-Hsien Fan, University of Louisville; Linda J. Goldsmith, University of Louisville
84:	Ordinal Classification Approach Using Bagged Classification Trees and the Proportional Odds Model as Splitting Criteria — ■Tobias Guennel, Virginia Commonwealth University
85:	Efficient Selection of Prototypes Using Expert Ratings — ■William E. Miller, Centers for Disease Control and Prevention
86:	Assessing Regression Modeling with Ordinal Responses — ■Kao-Tai Tsai, Bristol-Myers Squibb Company
87:	Exact Inference for Ordered and Nominal Categorical Data — ■John D.S. Hwang, B.R.S.I.; James S. Lee, Daiichi Sankyo Pharma Development
88:	Development and Internal Validation of the Prediction Model To Identify Thrombotic Thrombocytopenic Purpura (TTP) Patients at Risk for Relapse — ■Xiaoning Li, University of Oklahoma Health Science Center
89:	The Partition Logistic Regression Model — ■Ying Liu, Virginia Polytechnic Institute and State University; Shi-shien Yang, Kansas State University
90:	College Desirability: A Multivariate Statistical Analysis — ■Lindsay Moomaw, Miami University; Andrea Austin, Miami University; Terrell Felder, Miami University
Poster Topic: <i>Data mining and knowledge discovery, machine learning:</i>	
91:	Discovering Sparse Covariance Structures with the Isomap — ■Amy Wagaman, The University of Michigan

92:	Application of Transportation Problem to Prediction Model in Orthodontics — ■Olena Tsvirkunova, Align Technology Inc.; Michael Zakharevich, Align Technology Inc.; Vadim Matov, Align Technology Inc.
93:	Neural Network Monitoring of Poisson Data — ■Benjamin M. Adams, The University of Alabama; Yousef Al-Hammadi, The University of Alabama
94:	S-Plus and R Package for Least Angle Regression — ■Tatiana Maravina, University of Washington; Tim Hesterberg, Google, Inc.; Chris Fraley, Insightful Corporation
95:	Support Vector Machines with Recursive Feature Elimination for the Creation of a Diagnostic Tool — ■David H. Henderson, Insightful Corporation

Poster Topic: *Government statistics:*

96:	On Nigerian Statistical Capacity Building as a Panacea for Achieving Millennium Development Goals (MDGs) — ■Dallah Hamadu, University of Lagos; Ray Okafor, University of Lagos
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Poster Topic: *Transportation statistics:*

97:	Graphical Displays of Safety Performance Functions — ■Barbara A. Bailey, San Diego State University
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		Add To My Program
	Mon, 8/4/08, 4:00 PM - 5:00 PM	CC-101

Section on Statistics and Marketing Business Meeting

Section on Statistics and Marketing

Chair(s): Wendy Moe, University of Maryland, College Park

		Add To My Program
	Mon, 8/4/08, 4:00 PM - 5:30 PM	HY-Agate A

Section on Statistics and the Environment Executive Committee Meeting (closed)

Section on Statistics and the Environment

Chair(s): Lance Waller, Emory University

		Add To My Program
	Mon, 8/4/08, 4:00 PM - 6:00 PM	HY-Centennial Ballroom H

CAUSE Activists Meeting (closed)

CAUSE		
<i>Organizer(s): Dennis K. Pearl, The Ohio State University</i>		
		Add To My Program
200	Mon, 8/4/08, 4:00 PM - 5:50 PM	CC-Four Seasons Ballroom
ASA President's Invited Address - Invited - Papers		
ASA, ENAR, IMS, SSC, WNAR		
<i>Organizer(s): Peter A. Lachenbruch, Oregon State University</i>		
<i>Chair(s): Peter A. Lachenbruch, Oregon State University</i>		
4:05 PM	Health Care Considerations for the Millennium —  Mark B. McClellan, American Enterprise Institute	
5:45 PM	Floor Discussion	
		Add To My Program
	Mon, 8/4/08, 4:30 PM - 6:00 PM	HY-Capitol Ballroom 6
Section on Statistics in Epidemiology Executive Committee Meeting (closed)		
Section on Statistics in Epidemiology		
<i>Chair(s): William Barlow, Cancer Research and Biostatistics</i>		
		Add To My Program
	Mon, 8/4/08, 4:30 PM - 6:00 PM	HY-Capitol Ballroom 5
Biometrics Editorial Board Meeting (closed)		
Biometrics Editorial Board		
<i>Organizer(s): Marie Davidian, North Carolina State University</i>		
		Add To My Program
	Mon, 8/4/08, 4:30 PM - 6:00 PM	HY-Limestone
Section on Nonparametric Statistics Executive Committee Meeting (closed)		
Section on Nonparametric Statistics		
<i>Chair(s): Ronald Randles, University of Florida</i>		

		Add To My Program
	Mon, 8/4/08, 5:00 PM - 7:00 PM	HY-Capitol Ballroom 4
NISS/SAMSI Reception		
National Institute of Statistical Sciences, Statistical and Applied Mathematical Sciences Institute		
<i>Organizer(s): Alan Karr, National Institute of Statistical Sciences</i>		
		Add To My Program
	Mon, 8/4/08, 5:00 PM - 6:00 PM	HY-Mineral Hall F
Journal of Quality Technology Editorial Review Board Meeting (closed)		
Journal of Quality Technology Editorial Review Board		
<i>Organizer(s): Enrique del Castillo, The Pennsylvania State University</i>		
		Add To My Program
	Mon, 8/4/08, 5:00 PM - 8:00 PM	CC-107 & 109
Texas A&M University (Aggie) Reunion (closed)		
Texas A&M University		
<i>Organizer(s): Simon Sheather, Texas A&M University</i>		
		Add To My Program
	Mon, 8/4/08, 5:00 PM - 6:30 PM	CC-104
Special Interest Group for Medical Devices and Diagnostics (SIGMEDD)		
Special Interest Group for Medical Devices and Diagnostics		
<i>Organizer(s): Gregory Campbell, U.S. Food and Drug Administration</i>		
		Add To My Program
	Mon, 8/4/08, 5:00 PM - 6:30 PM	HY-Marble
Centers for AIDS Research Statisticians Meeting		
Centers for AIDS Research Statisticians		

Organizer(s): Susan Ellenberg, University of Pennsylvania

[Add To My Program](#)

Mon, 8/4/08, 5:00 PM - 7:00 PM

HY-Quartz A

Statistical Society of Canada Reception

SSC

Organizer(s): Roman Viveros-Aguilera, McMaster University

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 6:30 PM

CC-105

Business and Economics Statistics Section Business Meeting

Business and Economics Statistics Section

Chair(s): Sastry Pantula, North Carolina State University

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 6:30 PM

CC-204

Caucus for Women in Statistics Business Meeting

Caucus for Women in Statistics

Organizer(s): Marcia Ciol, University of Washington

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

HY-Mineral Hall B

International Indian Statistical Association Welcome and Mixer

International Indian Statistical Association

Organizer(s): Subir Ghosh, University of California, Riverside

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 8:00 PM

Off Property-Rock Bottom Brewery

Section on Health Policy Statistics Business Meeting

Section on Health Policy Statistics

Chair(s): A. James O'Malley, Harvard Medical School

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

HY-Capitol Ballroom 3

RTI International Reception (closed, by invitation only)

RTI International

Organizer(s): Tonda McCullers, RTI International

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:30 PM

HY-Capitol Ballroom 1

Iowa State University Alumni Gathering (closed)

Iowa State University Alumni

Organizer(s): Kenneth Koehler, Iowa State University

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

HY-Granite B

Section on Quality and Productivity Strategic Planning Meeting (closed)

Section on Quality and Productivity

Chair(s): Connie Borrer, Arizona State University West

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

HY-Mineral Hall C

IMS Member Social

IMS

Organizer(s): Elyse Gustafson, Institute of Mathematical Statistics

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

HY-Quartz B

Section on Teaching Statistics in the Health Sciences Business Committee Meeting and Mixer

Section on Teaching Statistics in the Health Sciences

Chair(s): Scott R. Evans, Harvard University

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

CC-208

Biometrics Section Mixer and Business Meeting

Biometrics Section

Chair(s): Jeremy M.G. Taylor, The University of Michigan

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:30 PM

HY-Granite C

Social Statistics Section Business Meeting and Social

Social Statistics Section

Chair(s): Linda Gage, California Department of Finance

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

HY-Mineral Hall G

Section on Risk Analysis Business Meeting

Section on Risk Analysis

Chair(s): Ai-Chu Wu, Consultant

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

CC-201

Section on Statistics in Sports Business Meeting

Section on Statistics in Sports

Chair(s): Jerome Reiter, Duke University

[Add To My Program](#)

Mon, 8/4/08, 5:30 PM - 7:00 PM

CC-202

Christian Statisticians Informal Discussion		
Christian Statisticians		
<i>Organizer(s): James Ward, Sand Point Statistics Group</i>		
		Add To My Program
	Mon, 8/4/08, 5:30 PM - 7:00 PM	HY-Capitol Ballroom 7
The University of North Carolina-Chapel Hill Department of Biostatistics and Department of Statistics/Operations Research Alumni Reception		
University of North Carolina-Chapel Hill		
<i>Organizer(s): Michael Kosorok, The University of North Carolina at Chapel Hill</i>		
		Add To My Program
	Mon, 8/4/08, 6:00 PM - 7:30 PM	CC-203
Korean Statisticians Annual Meeting		
Korean Statisticians in America		
<i>Organizer(s): Sin-Ho Jung, Duke University</i>		
		Add To My Program
	Mon, 8/4/08, 6:00 PM - 8:00 PM	HY-Centennial Ballroom F-G
JSM Student Mixer		
Committee on Membership Retention and Recruitment, ASA, ENAR, IMS, SSC, W.M. Keck Statistical Literacy Project		
<i>Chair(s): Dayanand N. Naik, Old Dominion University</i>		
		Add To My Program
	Mon, 8/4/08, 6:00 PM - 7:00 PM	CC-206
Russian and Ex-USSR Statisticians Mixer		
Russian and former Soviet Union Statisticians		
<i>Organizer(s): Stanislav Kolenikov, University of Missouri-Columbia</i>		
		Add To My Program

	Mon, 8/4/08, 6:00 PM - 7:30 PM	HY-Mineral Hall E
Section on Statistics and the Environment Business Meeting and Mixer		
Section on Statistics and the Environment		
<i>Chair(s): Lance Waller, Emory University</i>		
Add To My Program		
	Mon, 8/4/08, 6:00 PM - 7:00 PM	HY-Monarch Suite
ASA President's Invited Speaker Reception (by invitation only)		
ASA		
<i>Chair(s): Peter A. Lachenbruch, Oregon State University</i>		
Add To My Program		
	Mon, 8/4/08, 6:00 PM - 8:00 PM	HY-Agate C
Univeristy of Wisconsin-Madison Reception		
University of Wisconsin-Madison		
<i>Organizer(s): Jun Shao, University of Wisconsin-Madison</i>		
Add To My Program		
	Mon, 8/4/08, 6:00 PM - 8:00 PM	HY-Sandstone
Section on Survey Research Methods Executive Committee Meeting (closed)		
Section on Survey Research Methods		
<i>Chair(s): Mary H. Mulry, U.S. Census Bureau</i>		
Add To My Program		
	Mon, 8/4/08, 6:30 PM - 8:30 PM	HY-Mineral Hall D
University of Washington Biostatistics and Statistics Alumni Reception		
University of Washington		
<i>Organizer(s): Sandra Coke, University of Washington, Andrew Zhou, University of Washington</i>		

		Add To My Program
	Mon, 8/4/08, 6:30 PM - 8:00 PM	CC-105
Joint Business and Economic Statistics Section and the Section of Statistics and Marketing Reception		
Business and Economics Statistics Section, Section on Statistics and Marketing		
<i>Chair(s): Wendy Moe, University of Maryland, College Park, Sastry Pantula, North Carolina State University</i>		
		Add To My Program
	Mon, 8/4/08, 6:30 PM - 7:30 PM	HY-Mineral Hall A
ASA Long-Time Member Reception (closed)		
Committee on Membership Retention and Recruitment		
<i>Chair(s): Dayanand N. Naik, Old Dominion University</i>		
		Add To My Program
	Mon, 8/4/08, 6:30 PM - 8:00 PM	HY-Agate B
CRC Press Author's Appreciation Reception (closed)		
CRC Press		
<i>Organizer(s): Nadja English, Taylor and Francis</i>		
		Add To My Program
203661	Mon, 8/4/08, 7:05 PM -	Off Property-Coors Field
Colorado Rockies Baseball Tickets		
Come watch the Colorado Rockies take on the Washington Nationals at Coors Field on Monday, August 4, at 7:05 p.m. Reserved and discounted tickets in Section 117 may be purchased for \$21 at www.coloradorockies.com/groups . Sign in as "JSM" and use "gorockies" for the password.		
		Add To My Program
	Mon, 8/4/08, 7:30 PM - 10:00 PM	HY-Centennial Ballroom C
Joint Statistical Computing Section and Section on Statistical Graphics Business Meeting and Mixer		
Section on Statistical Graphics, Section on Statistical Computing		

Chair(s): Deborah Nolan, University of California, Berkeley, Dan Rope, SPSS, Inc

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 8:30 AM

Off Property

Cox Scholarship Race (off property)

Caucus for Women in Statistics

Organizer(s): Marcia Ciol, University of Washington

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 8:30 AM

HY-Mineral Hall A

Section on Statisticians in Defense and National Security Business Meeting

Section on Statisticians in Defense and National Security

Chair(s): David Banks, Duke University

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 10:00 AM

HY-Agate B

Statistics in Biopharmaceutical Research Journal Editorial Board (closed)

Statistics in Biopharmaceutical Research Journal

Chair(s): David Banks, Duke University, Joseph Heyse, Merck Research Laboratories

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 8:30 AM

HY-Agate A

Membership Surveys Committee (closed)

Membership Surveys Committee

Chair(s): Tim Keyes, GE Capitol

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 10:00 AM

HY-Granite A

Section on Physical and Engineering Sciences Executive Committee Meeting

Section on Physical and Engineering Sciences

Chair(s): William Notz, The Ohio State University

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 6:00 PM

CC-F2 Lobby Office

Speaker Management Room

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 10:00 PM

CC-A Lobby

Cyber Center

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 8:30 AM

HY-Capitol Ballroom 6

Brigham Young University Friends and Alumni Open House/Breakfast

Brigham Young University

Organizer(s): Del Scott, Brigham Young University

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 8:30 AM

HY-Marble

Technometrics Editorial Board Meeting (closed)

Technometrics

Chair(s): David M. Steinberg, Tel Aviv University

[Add To My Program](#)

Tue, 8/5/08, 7:00 AM - 8:30 AM

HY-Mineral Hall C

Ad Hoc Committee To Propose an Approach to Individual Accreditation Committee Meeting (closed)

Ad Hoc Committee to Propose an Approach to Individual Accreditation

Chair(s): Mary Batcher, Ernst & Young LLP

[Add To My Program](#)

	Tue, 8/5/08, 7:00 AM - 8:30 AM	HY-Sandstone
Committee on Statistics and Disability Annual Meeting - CANCELLED		
Committee on Statistics and Disability		
<i>Chair(s): Michele J. Connelly, U.S. Social Security Administration</i>		
		Add To My Program
	Tue, 8/5/08, 7:00 AM - 8:30 AM	HY-Granite C
Committee on Privacy and Confidentiality Annual Meeting		
Committee on Privacy and Confidentiality		
<i>Chair(s): Alvan O. Zarate, National Center for Health Statistics</i>		
		Add To My Program
	Tue, 8/5/08, 7:00 AM - 8:30 AM	HY-Quartz B
Scientific and Public Affairs Advisory Committee		
Scientific and Public Affairs Advisory Committee		
<i>Chair(s): David A. Marker, Westat, Inc.</i>		
		Add To My Program
201	Tue, 8/5/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistical Education Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistical Education		
<i>Organizer(s): Peter Westfall, Texas Tech University</i>		
TL01:	Not Significantly Different: Nonstatisticians Who Teach College-Level Statistics — ■ Patricia Rutledge, Allegheny College	
		Add To My Program
202	Tue, 8/5/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistics and the Environment Roundtables with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistics and the Environment		

<i>Organizer(s): Andrew B. Lawson, University of South Carolina</i>		
TL02:	Statistics and the Intergovernmental Panel on Climate Change — ■Peter Bloomfield, North Carolina State University	
TL03:	What Would a Statistician Do with a Climate Model? — ■Doug Nychka, National Center of Atmospheric Research	
		Add To My Program
203	Tue, 8/5/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistics in Epidemiology Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistics in Epidemiology		
<i>Organizer(s): Amy H. Herring, The University of North Carolina at Chapel Hill</i>		
TL04:	Statistical Analysis of Causal Intermediate Effects — ■Giovanni Filardo, Baylor Research Institute; Cody Hamilton, Edwards Lifesciences	
		Add To My Program
204	Tue, 8/5/08, 7:00 AM - 8:15 AM	CC-208
Section on Health Policy Statistics Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Health Policy Statistics		
<i>Organizer(s): Mary Beth Landrum, Harvard Medical School</i>		
TL05:	Prescription Drugs: Unsung Heroes of Disability — ■Michele J. Connolly, Sweetgrass Consulting LLC	
		Add To My Program
205	Tue, 8/5/08, 7:00 AM - 8:15 AM	CC-208
Section on Survey Research Methods Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Survey Research Methods		
<i>Organizer(s): Elaine Zanutto, National Analysts Worldwide Research and Consulting</i>		
TL06:	Preventing Falsified Survey Data — ■Steven Pedlow, National Opinion Research Center	
		Add To My Program

206	Tue, 8/5/08, 7:00 AM - 8:15 AM	CC-208
Section on Teaching Statistics in the Health Sciences Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Teaching Statistics in the Health Sciences		
<i>Organizer(s): Carol Bigelow, University of Massachusetts Amherst</i>		
TL07:	A New Statistics Student: The Translational Researcher — ■Carol Bigelow, University of Massachusetts Amherst; Penelope Pekow, University of Massachusetts Amherst	
		Add To My Program
	Tue, 8/5/08, 7:30 AM - 4:30 PM	CC-A Lobby
JSM Main Registration		
		Add To My Program
	Tue, 8/5/08, 7:30 AM - 4:30 PM	CC-A Lobby
ASA Membership/Special Assistance/Press Desk		
		Add To My Program
	Tue, 8/5/08, 7:30 AM - 10:00 AM	HY-Capitol Ballroom 4
Council of Chapters Annual Business Meeting and Breakfast		
Council of Chapters		
<i>Chair(s): B. Christine Clark, ReSearch Pharmaceutical Services, Inc.</i>		
		Add To My Program
	Tue, 8/5/08, 7:30 AM - 9:30 AM	HY-Granite B
Sequential Analysis Journal Editorial Board's Breakfast Meeting (closed)		
Sequential Analysis Journal Editorial Board		
<i>Organizer(s): Nitis Mukhopadhyay, University of Connecticut</i>		
		Add To My Program
	Tue, 8/5/08, 8:00 AM - 12:00 PM	HY-Quartz A

Committee of Presidents of Statistical Societies Meeting (closed)		
Committee of Presidents of Statistics Societies		
<i>Organizer(s): Madhuri S. Mulekar, University of South Alabama</i>		
		Add To My Program
	Tue, 8/5/08, 8:00 AM - 6:00 PM	CC-Exhibit Hall A
Career Placement Service		
		Add To My Program
	Tue, 8/5/08, 8:00 AM - 6:00 PM	CC-Exhibit Hall F
Exhibitor Lounge		
		Add To My Program
	Tue, 8/5/08, 8:00 AM - 6:00 PM	CC-Main Lobby
Denver Visitors Information Center		
		Add To My Program
CE_21C	Tue, 8/5/08, 8:00 AM - 12:00 PM	CC-210-212
Analysis of Multivariate Failure Time Data - Continuing Education - Course		
ASA		
<i>Instructor(s): Danyu Lin, The University of North Carolina at Chapel Hill</i>		
<p>Multivariate failure time data arise when each study subject can potentially experience multiple events or when there exists clustering of subjects such that failure times within the same cluster are correlated. Major complications in analyzing such data include the dependence among related failure times and censoring due to limited follow-up or competing events. This short course presents a variety of statistical models and methods for the analysis of multivariate failure time data. We will discuss marginal and frailty models, paying primary attention to semiparametric regression methods. Relevant software will be described, and a number of clinical and epidemiologic studies will be provided for illustrations.</p>		
		Add To My Program
CE_22C	Tue, 8/5/08, 8:00 AM - 12:00 PM	CC-204

Fundamental Statistics Concepts in Presenting Data: Principles for Constructing Better Graphics - Continuing Education - Course

ASA, Section on Statistical Graphics

Instructor(s): Rafe Donahue, Vanderbilt University

Data displays are mental models for understanding distributions of data. At the heart of any data display lays the distribution of the data; a model for this distribution includes demonstrating and exposing sources of variation in the distribution. Like a good map, a display of data ought to operate on several levels. At the lowest level (the highest level of granularity) are the data, themselves. Further up are the actual distributions, each with its component summaries, such as the mean or relevant quantiles. At the highest level are sources of variation in these distributions, the parameters in the (mental) model for understanding the data. The closer an architect can come to showing all these levels, the more information will be conveyed. I will present a number of principles, both developed by the masters (e.g., Minard, Tufte, Cleveland, Wilkinson, Wainer) and discovered by me, for constructing displays that will allow the architect of the data display to present the data for improved understanding; it will not be a "Don't use pie charts" or "Here's a bad graph from USA Today" course. We will focus on uncovering and formulating principles for presenting data visually. Examples will abound.

[Add To My Program](#)

Tue, 8/5/08, 8:00 AM - 6:00 PM

Off Property

Meeting Within a Meeting Workshop for K-12 Math and Science Teachers: 5-8 Strand (closed, separate registration required)

ASA

Chair(s): Martha Aliaga, The American Statistical Association

[Add To My Program](#)

CE_23C

Tue, 8/5/08, 8:30 AM - 5:00 PM

CC-201

Bayesian Methods and Software for Data Analysis - Continuing Education - Course

ASA, Section on Bayesian Statistical Science

Instructor(s): Bradley P. Carlin, The University of Minnesota, Thomas A. Louis, Johns Hopkins University

This course will introduce hierarchical and empirical Bayes methods, demonstrate their usefulness in challenging applied settings, and show how they can be implemented using modern Markov chain Monte Carlo (MCMC) computational methods. We will provide an introduction to and live demonstration of WinBUGS, the most general Bayesian software package available to date, and BRugs, a convenient function for calling BUGS from R. Use of the methods will be demonstrated in advanced high-dimensional model settings (e.g., nonlinear longitudinal modeling or spatiotemporal estimation and mapping), where the MCMC Bayesian approach often provides the only feasible alternative incorporating all relevant model features. Participants should have an MS

(or advanced undergraduate) understanding of mathematical statistics at the Hogg and Craig (1978) or Casella and Berger (2001) level. Basic familiarity with common statistical models (e.g., the linear regression model) and computing will be assumed, but we will not assume significant previous exposure to Bayesian methods or Bayesian computing. This course is aimed at students and practicing statisticians who are intrigued by all the fuss about Bayes and Gibbs, but who may still mistrust the approach as theoretically mysterious and practically cumbersome.

		Add To My Program
CE_24C	Tue, 8/5/08, 8:30 AM - 5:00 PM	CC-203

Models for Discrete Repeated Measures - Continuing Education - Course

ASA

Instructor(s): Geert Verbeke, K.U. Leuven, Geert Molenberghs, Hasselt University

Starting from a brief introduction to the linear mixed model for continuous longitudinal data, we will formulate extensions to model outcomes of a categorical nature, including counts and binary data. Based on Verbeke and Molenberghs (2005), several families of models will be discussed and compared, from an interpretational and computational point of view. First, we will discuss models for the full marginal distribution of the outcome vector. Such models allow inference to be based on maximum likelihood principles, but they have the disadvantage of requiring complete specification of all higher-order interactions. We will talk about two alternatives: random-effects models and semiparametric marginal models with specification of the first moments only, or the first and second moments only. We will discuss and illustrate in full detail estimation and inference, and we will extensively argue that both approaches yield parameters with completely different interpretations. Finally, when analyzing longitudinal data, one is often confronted with missing observations. We will show that, if no appropriate measures are taken, missing data can cause seriously biased results and interpretational difficulties. Methods to properly analyze incomplete data, under flexible assumptions, will be presented and key concepts of sensitivity analysis will be introduced.

		Add To My Program
CE_25C	Tue, 8/5/08, 8:30 AM - 5:00 PM	CC-207

Mixed Models for the Practicing Statistician - Continuing Education - Course

ASA, Section on Statistics and the Environment

Instructor(s): Linda J. Young, University of Florida, Ramon C. Littell, University of Florida

Data sets from designed experiments, sample surveys, and observational studies often contain correlated observations due to random effects and repeated measures. Mixed models can be used to accommodate the correlation structure, produce efficient estimates of means and differences between means, and provide valid estimates of standard errors. Repeated measures and longitudinal data require special attention because they involve correlated data that arise when the primary sampling units are measured repeatedly over time or under different conditions. We will use normal theory models for random effects and repeated measures ANOVA to introduce the

concept of correlated data. We will then extend these models to generalized linear mixed models for the analysis of non-normal data, including binomial responses, Poisson counts, and over-dispersed count data. We will discuss methods of assessing the fit and deciding among competing models. Radial smoothing splines can be represented as mixed models, and we will illustrate their application. We will illustrate PROC GLIMMIX in the SAS system using practical examples from pharmaceutical trials, environmental studies, educational research, and laboratory experiments.

[Add To My Program](#)

CE_26C

Tue, 8/5/08, 8:30 AM - 5:00 PM

CC-205

Multiple Imputation of Missing Data - Continuing Education - Course

ASA

Instructor(s): Paul D. Allison, University of Pennsylvania

This course will cover both the conceptual foundations and practical details of implementing multiple imputation. Conventional methods for handling missing data typically yield biased estimates and/or incorrect standard errors. By contrast, multiple imputation produces estimates with nearly optimal properties under weaker assumptions. I will explain the assumptions of "missing at random" and "missing completely at random." After a brief review of conventional methods, we will consider multiple imputation based on linear regression with random draws. We will examine implementation using the MCMC algorithm in SAS PROC MI in detail, and then move on to the role of the dependent variable, imputation under a restricted range, imputation of categorical variables, multivariate inference, interactions and nonlinearities, congeniality of data model and imputation model, longitudinal data, nonignorable missing data, and imputation by chained equations (demonstrated using the ice command in Stata).

[Add To My Program](#)

Tue, 8/5/08, 8:30 AM - 4:30 PM

Off Property

Beyond AP Statistics (BAPS) Workshop for Experienced Teachers (closed, separate registration required, off property)

ASA NCTM Joint Committee on Curriculum in Stats and Probability

Chair(s): Roxy Peck, California Polytechnic State University

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Tue, 8/5/08, 8:30 AM - 10:30 AM

HY-Agate C

JASA Editors Meeting (closed)

JASA Editorial Board

Chair(s): David Banks, Duke University, Joseph Heyse, Merck Research Laboratories

		Add To My Program
207	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-704
Introductory Overview Lecture: Harnessing Bibliographic Data		
ASA, ENAR, IMS, SSC, WNAR, Current Index to Statistics		
<i>Organizer(s): James E. Gentle, George Mason University</i>		
<i>Chair(s): James E. Gentle, George Mason University</i>		
8:35 AM	Rejuvenating the Current Index to Statistics — ■Hadley Wickham, Iowa State University	
9:25 AM	Best Integrated Bibliographic Services — ■James Pitman, University of California, Berkeley	
10:15 AM	Floor Discussion	
		Add To My Program
208	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-111
ASA College Stat Bowl I		
ASA, ENAR, IMS, SSC, WNAR		
<i>Organizer(s): Stephanie Cano, The University of Texas at San Antonio</i>		
<i>Chair(s): Stephanie Cano, The University of Texas at San Antonio</i>		
	Game 1 — ■Thayasivam Umashanger, The University of Georgia; ■Jerzy Wieczorek, Portland State University; ■Anne M. Hansen, University of California, Riverside; ■Christopher J. Rigdon, Arizona State University	
	Game 2 — ■Junheng Ma, Case Western Reserve University; ■John Garza, The University of Texas at San Antonio; ■Samsiddhi Bhattacharjee, University of Pittsburgh; ■Susan Buchman, Carnegie Mellon University	
	Game 3 — ■Jing Xu, The University of Georgia; ■Dan Polhamus, The University of Texas at San Antonio; ■Hongyuan Cao, The University of North Carolina at Chapel Hill; ■Adam Molnar, Bellarmine University	
	Game 4 — ■Yiying (Richard) Fan, Case Western Reserve University; ■Nicholas J. Johnson, Portland State University; ■Brian Hartman, Texas A&M University; ■Liang Hong, Indiana University Purdue University, Indianapolis	
		Add To My Program
209	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-102

Innovative and Controversial Approaches to Student Assessment - Invited - Papers		
Section on Statistical Education		
<i>Organizer(s): Joan Garfield, The University of Minnesota</i>		
<i>Chair(s): Joan Garfield, The University of Minnesota</i>		
8:35 AM	Dirk Gently's Guide to Holistic Assessment — ■Andrew S. Zieffler, The University of Minnesota	
8:55 AM	Grading Statistics Like Statisticians — ■Daniel Kaplan, Macalester College	
9:15 AM	Against Fairness — ■George Cobb, Mt. Holyoke College	
9:35 AM	Disc: Beth Chance, California Polytechnic State University	
9:55 AM	Disc: John Holcomb, Cleveland State University	
10:15 AM	Floor Discussion	
		Add To My Program
210 ● ● ▲	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-607
Statistical Challenges in Large-Scale Genetic and Genomic Studies - Invited - Papers		
International Indian Statistical Association, Biopharmaceutical Section, WNAR, Chance		
<i>Organizer(s): Bhramar Mukherjee, The University of Michigan</i>		
<i>Chair(s): Bhramar Mukherjee, The University of Michigan</i>		
8:35 AM	Are a Set of Microarrays Independent of Each Other? — ■Bradley Efron, Stanford University	
9:00 AM	Identifying Interactions and Model-Building in Genome-Wide Association Studies — ■Charles Kooperberg, Fred Hutchinson Cancer Research Center	
9:25 AM	Powerful Discovery of Genetic Associations in the Presence of Gene-Gene and Gene-Environment Interactions — ■Nilanjan Chatterjee, National Cancer Institute; Julia Ciampa, National Cancer Institute; Idan Menashe, National Cancer Institute; Sheng Luo, Johns Hopkins University	
9:50 AM	Efficient Statistical Analysis of Case-Control, Genome-Wide Association Study Data — ■Michael Boehnke, The University of Michigan	
10:15 AM	Floor Discussion	
		Add To My Program
211 ● ● ▲	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-103
Manifold Learning and Object-Oriented Data Analysis - Invited - Papers		

IMS, Section on Nonparametric Statistics		
<i>Organizer(s): Haonan Wang, Colorado State University</i>		
<i>Chair(s): Tao Huang, University of Virginia</i>		
8:35 AM	Curve and Surface Fitting: From the Viewpoint of Manifold Recovery — Edwin Chong, Colorado State University; Hari Iyer, Colorado State University; ■ Thomas Lee, Chinese University/Colorado State University; Haonan Wang, Colorado State University	
9:05 AM	Object-Oriented Data Analysis of Tree-Structured Objects, Random Graphs, and Manifolds — ■ Haonan Wang, Colorado State University	
9:35 AM	Simple Statistics on Interesting Spaces: Regression Analysis on Manifolds for Computational Anatomy — ■ Sarang Joshi, The University of Utah; P. Thomas Fletcher, The University of Utah; Brad Davis, The University of North Carolina at Chapel Hill	
10:05 AM	Floor Discussion	
		Add To My Program
212 ● ● ▲	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-712
Statistics Can Help Reduce Child Mortality - Invited - Papers		
Social Statistics Section , Section on Government Statistics, Section on Quality and Productivity, Section on Survey Research Methods, Scientific and Public Affairs Advisory Committee, Section on Health Policy Statistics, Section on Statistics in Epidemiology, Chance		
<i>Organizer(s): David J. Fitch, Universidad Rafael Landívar</i>		
<i>Chair(s): Gary Shapiro, Westat, Inc.</i>		
8:35 AM	Child Survival Theory and Practice: How Do They Match? — ■ Gareth Jones, Adeni Consulting	
9:00 AM	Child Mortality: What We Count Counts — ■ Jef L. Leroy, National Institute of Public Health; Jean-Pierre Habicht, Cornell University; Juan Rivera, National Institute of Public Health	
9:25 AM	How Can Statistics Save Lives? — ■ Megan Price, Emory University	
9:50 AM	So Why Are Millions of Children Dying Needlessly - Corruption Networks? — ■ David J. Fitch, Universidad Rafael Landívar	
10:15 AM	Floor Discussion	
		Add To My Program
213 ●	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-708
Theory and Applications of Generalized Confidence Intervals - Invited - Papers		

Section on Physical and Engineering Sciences, IMS		
<i>Organizer(s): Richard K. Burdick, Amgen, Inc</i>		
<i>Chair(s): Richard K. Burdick, Amgen, Inc</i>		
8:35 AM	Generalized Fiducial Inference — ■Jan Hannig, The University of North Carolina at Chapel Hill	
9:00 AM	Generalized Confidence Intervals for Normal Orthant Probabilities — ■Thomas Mathew, University of Maryland, Baltimore County; David Webb, U.S. Army Research Laboratory	
9:25 AM	Using Generalized Confidence Intervals To Estimate Misclassification Rates of Bullet Lead Data — ■Connie Borrer, Arizona State University West	
9:50 AM	Assessing Equivalence of Two Assays Using Sensitivity and Specificity — ■Jorge Quiroz, Schering-Plough Research Institute	
10:15 AM	Floor Discussion	
		Add To My Program
214 ● ● ▲	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-702
Recent Developments for Nonpharmaceutical Clinical Trials - Invited - Papers		
WNAR, Biopharmaceutical Section, Biometrics Section		
<i>Organizer(s): Ying Lu, University of California, San Francisco</i>		
<i>Chair(s): Christine E. McLaren, University of California, Irvine</i>		
8:35 AM	Multicenter Studies of Diagnostic Imaging — Constantine Gatsonis, Brown University; ■Mei Hsiu Chen, Brown University	
9:00 AM	Study Designs for Biomarker-Based Treatment Selection — ■Amy Laird, University of Washington; Andrew Zhou, University of Washington	
9:25 AM	Subgroup Analysis for Assessing Treatment Efficacy with a Survival Outcome and Missing Subgroup Status, with Applications to Cancer Management and Clinical Trials with Noncompliance — ■Gang Li, University of California, Los Angeles	
9:50 AM	Disc: Ying Lu, University of California, San Francisco	
10:10 AM	Floor Discussion	
		Add To My Program
215 ●	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-706
New Directions in Safety Planning and Analysis for Clinical Development - Invited - Papers		
Biopharmaceutical Section, WNAR, Biometrics Section		

<i>Organizer(s): Brenda J. Crowe, Eli Lilly and Company</i>		
<i>Chair(s): Brenda J. Crowe, Eli Lilly and Company</i>		
8:35 AM	Regulatory Perspectives on Planning for Pre-Marketing — ■George Rochester, U.S. Food and Drug Administration	
9:00 AM	Planning for Meta-Analysis — ■Jesse A. Berlin, Johnson & Johnson Pharmaceutical R&D, LLC	
9:25 AM	Safety Analyses: Thoughts on Tackling Multiplicity — ■Devan V. Mehrotra, Merck Research Laboratories; Joseph Heyse, Merck Research Laboratories	
9:50 AM	Detecting Safety Signals in Clinical Trials: A Bayesian Perspective — ■H. Amy Xia, Amgen, Inc; Haijun Ma, Amgen, Inc; Bradley P. Carlin, The University of Minnesota	
10:15 AM	Floor Discussion	
		Add To My Program
216	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-113
Nonparametric Classification - Invited - Papers		
Section on Nonparametric Statistics, IMS, Section on Physical and Engineering Sciences		
<i>Organizer(s): Malay Ghosh, University of Florida</i>		
<i>Chair(s): Malay Ghosh, University of Florida</i>		
8:35 AM	Nonparametric Approach to Assessing the Performance of Classifiers — ■Peter G. Hall, The University of Melbourne	
9:00 AM	Bayesian Ensemble Modeling for Classification Problems — ■Robert McCulloch, The University of Chicago	
9:25 AM	Data Piling Direction in High-Dimension, Low Sample Size Data — James Marron, The University of North Carolina at Chapel Hill; ■Jeongyoun Ahn, The University of Georgia	
9:50 AM	Bayesian Curve Classification Using Wavelets — ■Bani K. Mallick, Texas A&M University; Xiaohui S. Wang, The University of Texas-Pan American; Shubhankar Ray, Merck Research Laboratories	
10:15 AM	Floor Discussion	
		Add To My Program
217 ● ▲	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-605
Accurate Elections: The Role of Statisticians - Invited - Papers		

Scientific and Public Affairs Advisory Committee, Section on Survey Research Methods, Social Statistics Section, Chance

Organizer(s): David A. Marker, Westat, Inc.

Chair(s): Robert Santos, The Urban Institute

8:35 AM	Designing an Audit System To Increase Voter Confidence in Elections — ■Michael W. Traugott, The University of Michigan
8:55 AM	Engaging the Unengaged Voter: Vote Centers and Voter Turnout — Robert M. Stein, Rice University; ■Greg Vonnahme, Rice University
9:15 AM	Residual Voting: A New Diagnostic — ■Paul Gronke, Reed College
9:35 AM	Measuring Voting System Failures: Survey Evidence of the Frequency of Voting Problems in the 2006 and 2008 U.S. Election — ■Stephen Ansolabehere, Massachusetts Institute of Technology; Charles H. Stewart, III, Massachusetts Institute of Technology
9:55 AM	Disc: Arlene S. Ash, Boston University
10:15 AM	Floor Discussion

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218 ●▲

Tue, 8/5/08, 8:30 AM - 10:20 AM

CC-107

Statistics-Geography Mashups on the Web - Invited - Papers

Section on Statistical Graphics

Organizer(s): Juergen Symanzik, Utah State University

Chair(s): Juergen Symanzik, Utah State University

8:35 AM	Geo-Mashups: Using Google Earth for Data Exploration — ■Jason Dykes, City University London
9:00 AM	Web-Based Geovisualization and Geocollaboration — ■Alan M. MacEachren, The Pennsylvania State University; Anthony Robinson, The Pennsylvania State University; Robert Roth, The Pennsylvania State University; Etien Koua, Disaster Preparedness and Prevention Agency; Eugene J. Lengerich, The Pennsylvania State University
9:25 AM	Web Visualization of Climate Observations in a Geographical Context — ■Robert R. Gillies, Utah State University
9:50 AM	Map Design for Diverse Worldwide Users of the Web — ■Robert M. Edsall, Arizona State University
10:15 AM	Floor Discussion

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219 ●	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-206
Weak Instrument Robust Tests in GMM and the New Phillips Curve - Invited - Papers		
JBES-Journal of Business and Economic Statistics		
<i>Organizer(s): Arthur Lewbel, Boston College, Serena Ng, Columbia University</i>		
<i>Chair(s): Arthur Lewbel, Boston College</i>		
8:35 AM	Weak Identification: Where Do We Stand? A Case Study of the Phillips Curve — ■ Frank Kleibergen, Brown University; Sophocles Mavroeidis, Brown University	
9:10 AM	Disc: Jean-Marie Dufour, McGill University	
9:25 AM	Disc: Anna Mikusheva, Massachusetts Institute of Technology	
9:40 AM	Disc: Eric Zivot, University of Washington	
9:55 AM	Disc: Jonathan H. Wright, Board of Governors of the Federal Reserve System	
10:10 AM	Floor Discussion	
		Add To My Program
220 ●	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-606
Models for Binomial/Multinomial Overdispersed Data - Topic Contributed - Papers		
Biometrics Section		
<i>Organizer(s): Nagaraj K. Neerchal, University of Maryland, Baltimore County</i>		
<i>Chair(s): Mani Lakshminarayanan, Merck & Co., Inc.</i>		
8:35 AM	An Improved Method for the Computation of Maximum Likelihood Estimates for Multinomial Overdispersion Models — ■ Jorge G. Morel, Procter & Gamble	
8:55 AM	A Family of Models for Analyzing Correlated/Clustered Multinomial — ■ Justin T. Newcomer, University of Maryland, Baltimore County	
9:15 AM	On Goodness-of-Fit Test of an Overdispersion Model — ■ Santosh C. Sutradhar, Pfizer, Inc.; Nagaraj K. Neerchal, University of Maryland, Baltimore County; Jorge G. Morel, Procter & Gamble	
9:35 AM	Modeling Overdispersion in Multilevels Using Random Effects — ■ Jeffrey R. Wilson, Arizona State University	
9:55 AM	Disc: Nagaraj K. Neerchal, University of Maryland, Baltimore County	
10:15 AM	Floor Discussion	
		Add To My Program

221	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-110
New Developments in Multivariate Time Series Analysis - Topic Contributed - Papers		
Business and Economics Statistics Section, IMS		
<i>Organizer(s): Marc G. Genton, University of Geneva</i>		
<i>Chair(s): Marc G. Genton, University of Geneva</i>		
8:35 AM	Dynamic Factor Models with Block Structure — ■ Marc Hallin, Université Libre de Bruxelles	
8:55 AM	Semiparametric Nonlinear Vector Autoregressive Time Series Models — ■ Yehua Li, The University of Georgia; Marc G. Genton, University of Geneva	
9:15 AM	Arc Length Tests for Equality of Autocovariances — ■ Ferebee Tunno, Clemson University	
9:35 AM	Time Series Analysis for PARMA Sequences of Less Than Full Rank — ■ Harry Hurd, The University of North Carolina at Chapel Hill	
9:55 AM	Dynamic Correlations and Stochastic Volatility — ■ Denis Pelletier, North Carolina State University; William McCausland, University of Montreal; Shirley Miller, University of Montreal	
10:15 AM	Floor Discussion	
		Add To My Program
222 ●	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-108
Recent Advances in Monte Carlo Methods - Topic Contributed - Papers		
Section on Bayesian Statistical Science, Biopharmaceutical Section, Section on Physical and Engineering Sciences, IMS		
<i>Organizer(s): Murali Haran, The Pennsylvania State University</i>		
<i>Chair(s): Yves F. Atchade, The University of Michigan</i>		
8:35 AM	Particle Filters for Large-Scale Dynamic Tomography — ■ Yuguo Chen, University of Illinois at Urbana-Champaign	
8:55 AM	Experiments with Fully Automating Markov Chain Monte Carlo — ■ Murali Haran, The Pennsylvania State University	
9:15 AM	Gibbs Sampling for a Bayesian Hierarchical Version of the General Linear Mixed Model — ■ Alicia Johnson, The University of Minnesota; Galin Jones, The University of Minnesota	
9:35 AM	Markov Chain Monte Carlo: Can We Trust the Third Significant Figure? — ■ Galin Jones, The University of Minnesota; Murali Haran, The Pennsylvania State University; James Flegal, The University of Minnesota	

9:55 AM	Assessing Convergence and Mixing of Markov Chain via Stratification — ■Rajib Paul, The Ohio State University; Steven N. MacEachern, The Ohio State University; Mark Berliner, The Ohio State University
10:15 AM	Floor Discussion
Add To My Program	
223 ▲	Tue, 8/5/08, 8:30 AM - 10:20 AM CC-105
Winners of the 2008 Statistical Computing and Statistical Graphics Student Paper Competition - Topic Contributed - Papers	
Section on Statistical Computing, Section on Statistical Graphics	
<i>Organizer(s): J. R. Lockwood, RAND Corporation</i>	
<i>Chair(s): J. R. Lockwood, RAND Corporation</i>	
8:35 AM	Use of Sparse Linear Discriminant Analysis in Classification and in Testing Gene Pathways — ■Michael C. Wu, Harvard University; Lingsong Zhang, Harvard University; Xihong Lin, Harvard University
8:55 AM	Multi-Objective Optimal Experimental Designs for Event-Related fMRI Studies — ■Ming-Hung Kao, The University of Georgia; Abhyuday Mandal, The University of Georgia; Nicole Lazar, The University of Georgia; John Stufken, The University of Georgia
9:15 AM	Tableplot: A New Display for Factor Analysis — ■Ernest Kwan, York University
9:35 AM	Sparse Permutation Invariant Covariance Estimation — ■Adam Rothman, The University of Michigan; Peter Bickel, University of California, Berkeley; Elizaveta Levina, The University of Michigan; Ji Zhu, The University of Michigan
10:15 AM	Floor Discussion
Add To My Program	
224 ●▲	Tue, 8/5/08, 8:30 AM - 10:20 AM CC-710
Statistical Consulting in Civil Litigation - Topic Contributed - Papers	
Section on Statistical Consulting, Social Statistics Section	
<i>Organizer(s): Duane Steffey, Exponent, Inc.</i>	
<i>Chair(s): Duane Steffey, Exponent, Inc.</i>	
8:35 AM	Measures of Discrimination and Protocols for Evidence: The Case of the 'Spare List' — ■Steven M. Crunk, San Jose State University; William B. Fairley, Analysis & Inference, Inc.

8:55 AM	Issues in the Use of Survival Analysis To Estimate Damages in Equal Employment Cases — ■ Qing Pan, The George Washington University; Joseph Gastwirth, The George Washington University
9:15 AM	Use of External Data Sources To Demonstrate Control for Potentially Confounding Factors — Rose M. Ray, Exponent-Failure Analysis Associates; ■ Madhu Iyer, Exponent-Failure Analysis Associates
9:35 AM	Statistical Issues in Intellectual Property and False Advertising Litigation — ■ Colleen Kelly, Exponent, Inc.
9:55 AM	How Can Statisticians Help Improve the Quality of Construction Defect Litigation? — ■ Louis A. Cox, Cox Associates
10:15 AM	Floor Discussion

		Add To My Program
225 ●	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-603

Statistical Issues in Biomarker and Imaging Studies - Topic Contributed - Papers

Section on Statistics in Epidemiology, Biopharmaceutical Section, Biometrics Section

Organizer(s): Estelle Russek-Cohen, U.S. Food and Drug Administration

Chair(s): Lori E. Dodd, National Cancer Institute

8:35 AM	Regulatory Issues Related to the Evaluation of Biomarkers in a Clinical Study — ■ Kyunghye K. Song, U.S. Food and Drug Administration
8:55 AM	Capturing Performance of Prognostic Markers: An Overview — ■ Estelle Russek-Cohen, U.S. Food and Drug Administration; Harry F. Bushar, U.S. Food and Drug Administration; Iram Quraishi, U.S. Food and Drug Administration
9:15 AM	Diagnostic Assays for Screening or Prognosis with Small Biomarker Panels — ■ Friedemann Krause, Roche Diagnostics GmbH
9:35 AM	Existing Problems in Gene Expression Microarray-Based Assays for Clinical Practice — ■ Samir Lababidi, U.S. Food and Drug Administration
9:55 AM	Maximum Likelihood Estimators for Fraction of False Negative Lesions when Radiologist Panel Is Non-Unanimous — ■ Arkendra De, U.S. Food and Drug Administration; Gene Pennello, U.S. Food and Drug Administration
10:15 AM	Floor Discussion

		Add To My Program
226	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-711

Statistics and Methodological Research in the Medical Expenditure Panel Survey (MEPS) - Topic Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section

Organizer(s): Trena M. Ezzati-Rice, Agency for Healthcare Research and Quality

Chair(s): Steven R. Machlin, Agency for Healthcare Research and Quality

8:35 AM	Evaluation of Alternative Prediction Models To Oversample Low-Income Persons in the Medical Expenditure Panel Survey (MEPS) — ■Lap-Ming Wun, Agency for Healthcare Research and Quality; Trena M. Ezzati-Rice, Agency for Healthcare Research and Quality
8:55 AM	Comparison of Imputation Adjustment Techniques on Variance Estimation in the Medical Expenditure Panel Survey (MEPS) — Robert M. Baskin, Agency for Healthcare Research and Quality; ■Marc W. Zodet, Agency for Healthcare Research and Quality ; Trena M. Ezzati-Rice, Agency for Healthcare Research and Quality
9:15 AM	Event Reporting in the Medical Expenditure Panel Survey (MEPS) — ■Frederick C. Rohde, Agency for Healthcare Research and Quality
9:35 AM	Sample Redesign and Conversion to a Windows-Based Survey Instrument: Impact on Part-Year Estimates from the 2007 Medical Expenditure Panel Survey (MEPS) — ■Trena M. Ezzati-Rice, Agency for Healthcare Research and Quality; Frederick C. Rohde, Agency for Healthcare Research and Quality; Steven R. Machlin, Agency for Healthcare Research and Quality
9:55 AM	Comparison of Direct, Mixed Model, and Bayesian Metropolitan Statistical Area Estimates for the Insurance Component of the Medical Expenditure Panel Survey — ■Robert M. Baskin, Agency for Healthcare Research and Quality; John P. Sommers, Agency for Healthcare Research and Quality
10:15 AM	Floor Discussion

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227 ▲

Tue, 8/5/08, 8:30 AM - 10:20 AM

CC-109

Spanning the Globe: The Introductory Statistics Course as a Gateway to the Rest of the World - Topic Contributed - Panel

Section on Statistical Education

Organizer(s): Robert H. Carver, Stonehill College

Chair(s): Laura Chihara, Carleton College

Abstract:

[Spanning the Globe: The Intro Stats Course as a Gateway to the Rest of the World](#)

Panelists:	<ul style="list-style-type: none"> ■ Robert H. Carver, Stonehill College ■ Nilupa S. Gunaratna, International Nutrition Foundation ■ James J. Cochran, Louisiana Tech University ■ Paul J. Fields, Brigham Young University 	
10:15 AM	Floor Discussion	
		Add To My Program
228	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-202
Ideas for Improving Statistical Competence of Health Science Professionals and Graduate Students - Contributed - Papers		
Section on Teaching Statistics in the Health Sciences, WNAR, Section on Statistics in Epidemiology		
<i>Chair(s): Lorri Ogden, University of Colorado Denver</i>		
8:35 AM	Statistical Competence or Statistical Literacy: What Should We Teach Health Professionals? — ■ Janet Tooze, Wake Forest University Health Sciences	
8:50 AM	The Scientist Game: Power and Subterfuge in the Statistical Design of Studies — ■ Scott S. Emerson, University of Washington	
9:05 AM	Quantitative Literacy Among Health-Care Professionals — ■ Mary Z. Mays, Arizona State University; Jan Jirsak, University of Arizona	
9:20 AM	Team-Based Learning in a Graduate Statistical Methods Course for Biomedical Researchers — ■ Jessica M. Ketchum, Virginia Commonwealth University; Al M. Best, Virginia Commonwealth University; Emily H. Sheldon, Virginia Commonwealth University	
9:35 AM	Teaching Bayesian Statistics in a Health Research Methodology Program — ■ Eleanor M. Pullenayegum, St. Joseph's Healthcare; Lehana Thabane, McMaster University	
9:50 AM	Using the Motivation of Graduate Students To Write Defensible Theses To Teach Biostatistical Methods — ■ Al M. Best, Virginia Commonwealth University; Jessica M. Ketchum, Virginia Commonwealth University; Emily H. Sheldon, Virginia Commonwealth University	
10:05 AM	Floor Discussion	
		Add To My Program
229	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-709
Bootstrap and BRR Variance Estimation - Contributed - Papers		
Section on Survey Research Methods, Section on Government Statistics, Section on Statistical Computing, SSC		

<i>Chair(s): David Binder, Statistics Canada</i>		
8:35 AM	Variance Estimation for Statistics Canada's Small Household Surveys in the Context of the Household Survey Strategy — ■ Sebastien Landry, Statistics Canada	
8:50 AM	Implementing Resampling Methods for Design-Based Variance Estimation in Multilevel Models: Using HLM6 and SAS Together — ■ Fritz Pierre, Statistics Canada; Abdelnasser Saïdi, Statistics Canada	
9:05 AM	Performance of Bootstrap Variance Estimation for a Dual Frame Household Survey: Evidence from the German Panel Survey — ■ Hans Kiesl, Institute for Employment Research	
9:20 AM	Bias of BRR Variance Estimation in Surveys Weight Adjusted for Nonresponse — ■ Eric V. Slud, U.S. Census Bureau; Yves Thibaudeau, U.S. Census Bureau	
9:35 AM	Application of Fay's Method for Variance Estimation in the National Compensation Survey Benefits Products — ■ Jonathan J. Lisic, Bureau of Labor Statistics ; Lola Ojo, Bureau of Labor Statistics	
9:50 AM	Using Post-Stratification To Adjust Horvitz-Thompson Estimation and Balanced Repeated Replication for Nonresponse in Longitudinal Surveys — ■ Yves Thibaudeau, U.S. Census Bureau; Eric V. Slud, U.S. Census Bureau	
10:05 AM	Bootstrap Variance Estimation for Predicted Individual and Aggregate Risks — ■ Milorad Kovacevic, Statistics Canada; Georgia Roberts, Statistics Canada; Lenka Mach, Statistics Canada	
Add To My Program		
230	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-104
Rankings, Groupings, and Predictions in Sports - Contributed - Papers		
Section on Statistics in Sports		
<i>Chair(s): Elaine Allen, Babson College</i>		
8:35 AM	The 'Pablo' Volleyball Ranking System — ■ Paul G. Wenthold, Purdue University	
8:50 AM	Using Match Statistics To Assist in Grading Tennis Competitions — ■ Neil T. Diamond, Monash University	
9:05 AM	Statistical Methods for Determining Optimal Rifle Cartridge Dimensions — ■ Steven M. Anderson, Metropolitan State College of Denver; Shahar Boneh, Metropolitan State College of Denver; Nels Grevstad, Metropolitan State College of Denver	
9:20 AM	Visualizing Managerial Strategies in Baseball — ■ Steve C. Wang, Swarthmore College	

9:35 AM	Is There Increased Parity in the NFL (Has Paul Tagliabue's Dream Come True)? — ■ Joseph Koopmeiners, University of Washington
9:50 AM	Assessing the Accuracy of Sports Predictions — ■ Paul Stephenson, Grand Valley State University; John Gabrosek, Grand Valley State University; Dan Frobish, Grand Valley State University
10:05 AM	Floor Discussion
Add To My Program	
231 ●	Tue, 8/5/08, 8:30 AM - 10:20 AM CC-602
Modeling Mortality - Contributed - Papers	
Section on Statistics in Epidemiology , Section on Government Statistics, Social Statistics Section, Biometrics Section	
<i>Chair(s): David Kane, Harvard University</i>	
8:35 AM	Reclassification of Socioeconomic Classes for Modeling Mortality from Leading Causes — ■ Jay H. Kim, National Center for Health Statistics; Rong Wei, National Center for Health Statistics
8:50 AM	Mapping Empirical Bayes Estimates of Cancer Mortality Rates Adjusted for Smoking — ■ Huilin Li, National Cancer Institute; Barry I. Graubard, National Cancer Institute; Mitchell H. Gail, National Cancer Institute
9:05 AM	Identifiability of Bivariate Mixtures: An Application to Infant Mortality Models — ■ Eric Y. Frimpong, University at Albany; Timothy B. Gage, University at Albany; Howard Stratton, University at Albany
9:20 AM	Statistical Methods in Estimating Mortalities for Ages with Zero Observed Deaths — ■ Rong Wei, National Center for Health Statistics
9:35 AM	Comparing Methods Decomposing Disparity in Life Expectancy by Disease — ■ Charles Lin, U.S. Census Bureau; Norman Johnson, U.S. Census Bureau
9:50 AM	An Approach To Handle the Problem of Zeros Deaths in Estimating Mortality Rates — ■ Anastasia Voulgaraki, National Center for Health Statistics; Rong Wei, National Center for Health Statistics
10:05 AM	On the Confidence Intervals of the Attributable Risk Under Cross-Sectional Sampling with Confounders — ■ Md. Khairul Islam, Wayne State University
Add To My Program	
232	Tue, 8/5/08, 8:30 AM - 10:20 AM CC-707
Biomarkers, Sampling, and Measurement Issues - Contributed - Papers	
Section on Statistics and the Environment , Section on Statistics in Epidemiology	

<i>Chair(s): Sandra P. Eckel, Johns Hopkins Bloomberg School of Public Health</i>		
8:35 AM	Reconstruction of General Population Exposure to Perchloroethylene with Sparse Biomonitoring Data — ■Junshan Qiu, The University of Georgia	
8:50 AM	Some Challenges Encountered in the Analysis of Biomarker Data — ■Stephen W. Looney, Medical College of Georgia; Joseph L. Hagan, LSU Health Sciences Center	
9:05 AM	Approximate Inferential Procedures Based on Samples with Nondetects — ■Avishek Mallick, University of Louisiana at Lafayette; K. Krishnamoorthy, University of Louisiana at Lafayette; Thomas Mathew, University of Maryland, Baltimore County	
9:20 AM	A Risk-Based Approach to Setting Environmental Limits on Turbidity During Large-Scale Dredging Operations — ■David R. Fox, University of Melbourne	
9:35 AM	Using a Bayesian Hierarchical Measurement Error Model To Estimate Individual Observer Detection Rates in Aerial Transect Surveys — ■Mark C. Otto, U.S. Fish and Wildlife Service	
9:50 AM	A Series of Experiments About Wireless Sensor Networks — ■Kristian Lum, Duke University	
10:05 AM	Floor Discussion	
Add To My Program		
233	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-705
Issues in Substance Abuse and Mental Health Research - Contributed - Papers		
Section on Health Policy Statistics		
<i>Chair(s): Eloise Kaizar, The Ohio State University</i>		
8:35 AM	Using a Yardstick Approach To Enrich Understanding of Treatment Effect on Urge To Smoke: An Application to a Smoking Cessation Trial — ■Joseph C. Cappelleri, Pfizer, Inc.; Andrew G. Bushmakin, Pfizer, Inc.; Riad Dirani, Johnson & Johnson Pharmaceutical R&D, LLC	
8:50 AM	Alcohol Outlet Density and Alcohol Consumption in Los Angeles County and Southern Louisiana — ■Matthias Schonlau, RAND Corporation; Deborah Cohen, RAND Corporation; Richard Scribner, Louisiana State University Health Sciences Center; Thomas A. Farley, Tulane University School of Public Health and Tropical Medicine; Katherine Theall, Louisiana State University Health Sciences Center; Ricky N. Bluthenthal, California State University; Molly Scott, RAND Corporation	
9:05 AM	Health Consequences of Alcohol Abuse: An Ecological Model — ■Yasmin H. Said, George Mason University	

9:20 AM	An EM Algorithm for Zero-Inflated Negative Binomial Regression Based on a Poisson Mixture Representation — ■Chih-Nan Chen, Cambridge Health Alliance; Xiao-Li Meng, Harvard University
9:35 AM	Utilizing Stakeholders To Inform Mental Health Treatment Practices — ■Christopher J. McKinney, Mental Health Center of Denver; Kathryn DeRoche, Mental Health Center of Denver; Antonio Olmos, Mental Health Center of Denver; Mike Hester, Mental Health Center of Denver; Donald Sammons, Mental Health Center of Denver
9:50 AM	Risk Factors Associated with Injection Initiation Among Drug Users: Comparing Hierarchical Modeling with Traditional Logistic Regression — ■Shahid Kamal, University of the Punjab; Muhammad A. Raza, GC University; Rehan A. Khan, PU
10:05 AM	Floor Discussion

[Add To My Program](#)

234

Tue, 8/5/08, 8:30 AM - 10:20 AM

CC-703

The Decennial Census: Past and Future - Contributed - Papers

Section on Government Statistics, Social Statistics Section

Chair(s): Michael Davern, The University of Minnesota/SHADAC

8:35 AM	An Overview of the 2010 Census Design — ■Frank Vitrano, U.S. Census Bureau
8:50 AM	Reducing Risks in the 2010 Census — ■Sally Obenski, U.S. Census Bureau; James Treat, U.S. Census Bureau; Dan Weinberg, U.S. Census Bureau
9:05 AM	Ensuring That Processes and Information Inputs and Outputs Are Accurate: Operational Integration — ■James Treat, U.S. Census Bureau; Frank Vitrano, U.S. Census Bureau
9:20 AM	Estimating the Average Number of Persons Per Household: A Regression Approach — ■Kirsten K. West, U.S. Census Bureau; Antonio Bruce, U.S. Census Bureau
9:35 AM	Convergent Multivariate Graphics for Capturing the Naming Patterns in U.S. Census Data Over Two Centuries — ■Whitney Erickson, Brigham Young University; Angel Venegas, Brigham Young University; Alexandra Brattos, Brigham Young University; Malvina Salash, Brigham Young University; Donald Walker, Brigham Young University; Jessica H. Scott, Brigham Young University; Bruce L. Brown, Brigham Young University
9:50 AM	Floor Discussion

[Add To My Program](#)

235  	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-106
Bayesian Applications and Methods in Biology - Contributed - Papers		
Section on Bayesian Statistical Science		
<i>Chair(s): Matthew Heaton, Duke University</i>		
8:35 AM	Long-Term HIV Dynamic Models Incorporating Drug Adherence and Resistance for Prediction of Virologic Responses —  Yangxin Huang, University of South Florida	
8:50 AM	Bayesian Mixture Modeling for Interval-Censored Age Onset of Puberty — Bin Huang, Cincinnati Children's Hospital Medical Center;  Lili Ding, Cincinnati Children's Hospital Medical Center; Siva Sivaganisan, University Cincinnati	
9:05 AM	Bayesian Methods for Models of Virus Production by Infected Cells —  Cavan Reilly, University of Minnesota	
9:20 AM	Detection of Task-Related Activation in fMRI Data with Segmentation Information from Structural MRI —  Namhee Kim, The Ohio State University; Prem K. Goel, The Ohio State University; David Q. Beversdorf, University of Missouri-Columbia	
9:35 AM	Network-Based Auto-Probit Modeling for Protein Function Prediction —  Xiaoyu Jiang, Boston University; Eric Kolaczyk, Boston University; David Gold, Boston University	
9:50 AM	A Spike and Slab Centering Distribution in Dirichlet Process Mixture Models for Gene Expression —  Sinae Kim, The University of Michigan; David B. Dahl, Texas A&M University; Marina Vannucci, Rice University	
10:05 AM	Floor Discussion	
		Add To My Program
236 	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-701
Applications of Survival Analysis - Contributed - Papers		
ENAR, WNAR, Section on Statistics in Epidemiology, Biometrics Section		
<i>Chair(s): LeAnna G. Stork, Monsanto Company</i>		
8:35 AM	Gray's Time-Varying Coefficient Model with Censored Covariates —  Gina D'Angelo, Washington University School of Medicine; Lisa Weissfeld, University of Pittsburgh; Chung-Chou Chang, University of Pittsburgh	
8:50 AM	Sensitivity Analysis To Investigate the Impact of a Missing Covariate on Survival Analyses Using Cancer Registry Data —  Brian L. Egleston, Fox Chase Cancer Center; Yu-Ning Wong, Fox Chase Cancer Center	

9:05 AM	Estimating Predictive Error for Left- and Right-Censored Survival Data with Time-Varying Covariates — ■William R. Prucka, The University of Alabama at Birmingham; Christopher S. Coffey, The University of Alabama at Birmingham
9:20 AM	Using a Point System Table To Improve the Communication of Statistical Estimates of Risk to Clinicians and Patients — ■Darcy Hille, Merck & Co., Inc.
9:35 AM	A Comparison Between Rank Regression and Maximum Likelihood Methods of Estimation for Weibull Regression — ■Laura J. Freeman, Virginia Polytechnic Institute and State University; Denisa A. Olteanu, Virginia Polytechnic Institute and State University; Geoffrey Vining, Virginia Polytechnic Institute and State University
9:50 AM	Mixture Hazard and Change-Point Models in Survival Analysis: An Application to Predicting Suicide Attempts — ■Hanga Galfalvy, Columbia University; Maria A. Oquendo, Columbia University; John J. Mann, Columbia University
10:05 AM	Strong Consistency of the Intercept Estimator in the Semiparametric Accelerated Failure Time Model — ■Ying Ding, The University of Michigan; Bin Nan, The University of Michigan

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Tue, 8/5/08, 8:30 AM - 10:20 AM

CC-608

Stochastic Modeling of Biological Data - Contributed - Papers

Biometrics Section

Chair(s): Tapabrata Maiti, Iowa State University

8:35 AM	Branching Process Models of the Cell Cycle — ■Peter Olofsson, Trinity University
8:50 AM	Matching Errors in Closed-Population Capture-Recapture Experiments Based on DNA Sampling — ■Ross M. Gosky, Appalachian State University; Leonard Stefanski, North Carolina State University
9:05 AM	Modeling Risk Factors for Alzheimer's Disease Progression Using a Nonhomogeneous Markov Process — ■Rebecca A. Hubbard, University of Washington; Andrew Zhou, University of Washington
9:20 AM	Estimating the Number of Species with Quadrats Sampled Without Replacement — ■Tsung-Jen Shen, National Chung Hsing University; Fangliang He, University of Alberta
9:35 AM	A Time-Dependent Poisson Random Field Model for Polymorphism Within and Between Two Related Biological Species — ■Amei Amei, University of Nevada Las Vegas; Stanley Sawyer, Washington University in St. Louis

9:50 AM	Stochastic Modeling for Blood Glucose and Insulin Dose in a Simulation Study of Glucose Control Strategies in the Adult ICU — ■ Hui Zheng, Harvard Medical School; David Schoenfeld, Massachusetts General Hospital; Taylor Thompson, Massachusetts General Hospital
10:05 AM	Modeling of PSA Dynamics of Prostate Cancer Patients Receiving Neoadjuvant Hormone Therapy Prior to Radiation Therapy — ■ Mariel S. Lavieri, The University of British Columbia; Martin L. Puterman, Sauder School of Business; Scott Tyldesley, British Columbia Cancer Agency ; Steven Shechter, The University of British Columbia ; Tom Pickles, British Columbia Cancer Agency

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Tue, 8/5/08, 8:30 AM - 10:20 AM

CC-112

Risk Analysis - Contributed - Papers

Business and Economics Statistics Section, Section on Risk Analysis

Chair(s): Mihaela Krasteva, Stern School of Business/New York University

8:35 AM	Empirical Relationships Among Various Statistics Measuring Discriminatory Power — ■ John Zuo, Wachovia Bank
8:50 AM	Anticipating Extreme Changes in the Performance of Long Repayment Term Consumer Loan Portfolios Through Eigenvector Analysis of Markov Chain Matrices — ■ Alex Strounine, Strounine Thompson Technology Group
9:05 AM	Ruin Probabilities in Risk Model with the General Mixture Distribution — ■ Min Deng, Maryville University of St. Louis
9:20 AM	Management of Business Processes in Uncertain Conditions — ■ Maxim B. Khayrullin, Novosibirsk State Technical University; Anatoly A. Naumov, Novosibirsk State Technical University
9:35 AM	Modeling Dependence in the Design of Crop Insurance Contract: A Semiparametric Copula Model Approach — ■ Ying Zhu, North Carolina State University; Sujit Ghosh, North Carolina State University; Barry Goodwin, North Carolina State University
9:50 AM	Using Time-Varying GEVs To Model Extreme Financial Returns — ■ Mark L. Labovitz, University of Colorado, Denver/Lipper, A Reuters Company
10:05 AM	Improved Statistical Emphasis on Hedge Fund Trading Strategy and Risk Management — ■ Bogong T. Li, Bank of America, N.A.

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239 ▲

Tue, 8/5/08, 8:30 AM - 10:20 AM

CC-604

Survival Analysis: New Theoretical Developments - Contributed - Papers

Biometrics Section, IMS		
<i>Chair(s): Yichuan Zhao, Georgia State University</i>		
8:35 AM	An Accelerated Failure Time Cure Model for Time-to-Event Data with Masked Cause of Failure — ■Jing J. Zhang, Harvard University; Molin Wang, Dana Farber Cancer Institute and Harvard University	
8:50 AM	Adjust the Estimates of Hazard Ratios for Group Sequential Trials Using the Bayesian Dynamic Survival Model Combined with Computation Techniques — ■Jianghua He, University of Kansas Medical Center; Matthew Mayo, The University of Kansas Medical Center	
9:05 AM	Estimating Cumulative Treatment Effects in the Presence of Nonproportional Hazards and Dependent Censoring — ■Guanghui Wei, The University of Michigan; Douglas E. Schaebel, The University of Michigan	
9:20 AM	Optimal Inferences for Proportional Hazards Model with Parametric Covariate Transformations — ■Chunpeng Fan, sanofi-aventis; Jason P. Fine, University of Wisconsin-Madison; Jong-Hyeon Jeong, University of Pittsburgh	
9:35 AM	Discriminating Weibull and Log-Normal Under Type-II Censored Data — ■Arabin K. Dey, IIT Kanpur; Debasis Kundu, IIT Kanpur	
9:50 AM	Backward Estimation of Medical Cost in the Presence of a Failure Event — ■Kwun Chuen (Gary) Chan, Johns Hopkins University; Wang Mei-Cheng, Johns Hopkins University	
10:05 AM	A New Partial Likelihood for the Cox Proportional Hazards Model — ■Liyuan (Larry) Ma, Merck & Co., Inc.; Devan V. Mehrotra, Merck Research Laboratories; Woolcott Smith, Temple University	
Add To My Program		
240 ● ● ●	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-601
Statistical Issues in Oncology Trials - Contributed - Papers		
Biopharmaceutical Section, Biometrics Section		
<i>Chair(s): Yonggang Zhao, Wyeth Research</i>		
8:35 AM	Family of Optimum M-Stage Designs for Single Arm Phase II Oncology Clinical Trials — ■Muhammad Jalaluddin, Novartis Pharmaceuticals	
8:50 AM	Relationship Between Type I Error and Frequency of Progression Assessment — ■Xiaoping Jiang, U.S. Food and Drug Administration; Kun He, U.S. Food and Drug Administration; Rajeshwari Sridhara, U.S. Food and Drug Administration	

9:05 AM	Consequences of Asymmetry in Progression Assessments — ■ Shenghui Tang, U.S. Food and Drug Administration; Chris Holland, U.S. Food and Drug Administration; Rajeshwari Sridhara, U.S. Food and Drug Administration
9:20 AM	Evaluation of Time-to-Progression: Where Your Censor Matters? — Chia-wen Ko, U.S. Food and Drug Administration; ■ Somesh Chattopadhyay, U.S. Food and Drug Administration; Rajeshwari Sridhara, U.S. Food and Drug Administration
9:35 AM	Planning for Phase III Oncology Trials Without Adequate Data from Phase II Trials — ■ Pralay Mukhopadhyay, Bristol-Myers Squibb Company; Thomas Kelleher, Bristol-Myers Squibb Company
9:50 AM	Dose Reduction Profiles for Combination Drug Studies — ■ John J. Peterson, GlaxoSmithKline Pharmaceuticals
10:05 AM	Sensitivity Analysis for Treatment Drop-In in Oncology Clinical Trials — ■ Cheng A. Rong, Amgen, Inc; Michael Wolf, Amgen, Inc; Zhiying J. Pan, Amgen, Inc; Xiang C. Zhang, Amgen, Inc
Add To My Program	
241	Tue, 8/5/08, 8:30 AM - 10:30 AM
CC-101	
Mining Complex and High-Dimensional Data - Contributed - Papers	
Section on Statistical Computing, Section on Nonparametric Statistics, Section on Physical and Engineering Sciences, Section on Statisticians in Defense and National Security, IMS	
<i>Chair(s): Robert Lew, VA Boston Healthcare System</i>	
8:35 AM	A Comparison of Several Measures of the Center of a Functional Data Set — ■ David B. Hitchcock, University of South Carolina
8:50 AM	Statistical Inference with High-Dimensional Data — ■ Min Hee Kim, The Pennsylvania State University; Michael G. Akritas, The Pennsylvania State University
9:05 AM	Tracking the Best Predictor with a Detection-Based Algorithm — ■ Yannig Goude, EDF R&D
9:20 AM	Classification of Alzheimer's and Normal fMRI Scans Using Temporal Network Distance Matrices — ■ Ariana Anderson, University of California, Los Angeles; Ivo D. Dinov, University of California, Los Angeles
9:35 AM	Linear Dimension Reduction for Multiple Multivariate Skew-Normal Densities — ■ Philip D. Young, Baylor University; Jack Tubbs, Baylor University; Dean Young, Baylor University
9:50 AM	Principal Component Rotation in High Dimensions — ■ Trevor Park, University of Florida

10:05 AM	Small Sample Inference for Generalization Error in Classification — ■Eric B. Laber, The University of Michigan; Susan A. Murphy, The University of Michigan	
		Add To My Program
242	Tue, 8/5/08, 8:30 AM - 10:20 AM	CC-F Lobby
Contributed Poster Presentations - Contributed - Poster Presentations		
Biometrics Section, Biopharmaceutical Section, ENAR, Section on Health Policy Statistics, Section on Statistical Computing, Section on Statistics in Epidemiology, WNAR		
<i>Organizer(s): John Castelloe, SAS Institute Inc.</i>		
<i>Chair(s): John Castelloe, SAS Institute Inc.</i>		
Poster Topic: <i>Biometrics, bioinformatics, computational biology:</i>		
01:	Bayesian Array Analysis To Assess the Effects of Nutrient Deficiencies in White Lupin — ■Robert Norton, California State University, East Bay; Mousumi Rath, California State University, East Bay; Bandita Parhy, California State University, East Bay; Claudia Stone, California State University, East Bay	
02:	Spatial Event Cluster Detection Using a Normal Approximation — ■Rhonda Rosychuk, University of Alberta; Mahmoud Torabi, University of Alberta	
03:	Statistical Methods for Automated Drug Susceptibility Testing: Minimum Inhibitory Concentration Prediction from Growth Curves — ■Xi (Kathy) Zhou, Cornell University; Merlise Clyde, Duke University; James Garrett, Becton Dickinson Diagnostic Systems; Viridiana Lourdes, Morgan Stanley; Michael O'Connell, Insightful Corporation; Giovanni Parmigiani, Johns Hopkins University; David J. Turner, Becton Dickinson Diagnostic Systems; Timothy M. Wiles, Becton Dickinson Diagnostic Systems	
04:	Comparisons of Titer Estimation Methods for Multiplexed Pneumococcal Opsonophagocytic Killing Assay — ■Deli Wang, The University of Alabama at Birmingham	
05:	New Bimodel Classifier for Predicting Outcomes of Prostate Cancer Patients — ■Zhenyu Jia, University of California, Irvine; Yipeng Wang, The Sidney Kimmel Cancer Center; James Koziol, The Scripps Research Institute; Michael McClelland, The Sidney Kimmel Cancer Center ; Dan Mercola, University of California, Irvine	
06:	Locating DNA Copy Number Changes by Using a Statistical Change Point Model — ■Paul Plummer, University of Missouri-Kansas City	
07:	Estimating the Proportion of Differentially Expressed Genes in Comparative DNA Microarray Experiments — ■Ching-Ray Yu, Pfizer, Inc.	

08:	Discovery of Novel Protein Domains: The Parasitic Connection — ■ Ian Lee, National University Hospital
09:	Identifying Allele-Specific Gene Expression in Human Brains Using the Illumina Sentrix Array Matrix and the Goldengate Assay — ■ Xin V. Wang, University of California, Berkeley; Terence P. Speed, University of California, Berkeley; Charles E. Glatt, Cornell Medical School
10:	A Genetical Genomics Approach to Genome Scans for Complex Traits — ■ Guoying Sun, The University of Georgia; Paul Schliekelman, The University of Georgia
11:	Rediscovering the Power of Well-Planned Contrasts: Normalization and Analysis of cDNA Microarray Using Linear Contrasts — ■ Liping Huang, University of Kentucky; Naoki Miura, University of Kentucky; Michael Mienaltowski, University of Kentucky; James MacLeod, University of Kentucky; Arnold Stromberg, University of Kentucky; Arne Bathke, University of Kentucky; Constance Wood, University of Kentucky
12:	Large-Scale Comparison of Methods for Analysis of Microarrays: Ranked List Accuracy and Sample Size — Robert H. Podolsky, Medical College of Georgia; ■ Nikhil Garge, Medical College of Georgia
13:	A Method for Learning Gene Association Networks from High-Dimensional Data — Jie Cheng, GlaxoSmithKline; Xiwu Lin, GlaxoSmithKline R&D; ■ Kwan Lee, GlaxoSmithKline
14:	Mining Illumina Chip Time Course Microarray Data: Assessment of Normalization Methods and Pattern-Based Clustering of Genes Using Contrast Analysis — ■ Suman Duvvuru, The University of Tennessee, Knoxville
15:	Modified Linear Discriminant Analysis Approaches for Classification of High-Dimensional Microarray Data — ■ Ping Xu, University of Louisville; Guy Brock, University of Louisville; Rudolph Parrish, University of Louisville
Poster Topic: <i>Health policy, epidemiology, public health:</i>	
17:	Statistics in Evaluating Trauma Center (TC) Performance — ■ Wei Xiong, University of Toronto; Khumar Huseynova, University of Toronto; Sandra Goble, NTDB, American College of Surgeons; Avery Nathens, University of Toronto
18:	Evaluating the Hawaii Demonstration To Maintain Independence and Employment — ■ Tammy Tom, University of Hawaii
19:	An Investigation of the Relationships Between Intervention Bills and Child Obesity Rate — ■ Melanie Logue, The University of Arizona; Margaret G. Ericksen, Arizona State University; Chong Ho Yu, Arizona State University

20:	Fitting a Semi-Markov Process Model to Data on Transitions Between Health States in the Presence of Left Censoring — ■Nathaniel Schenker, National Center for Health Statistics; Liming Cai, National Center for Health Statistics; James Lubitz, National Center for Health Statistics (retired)
21:	Individualized Absolute Risks from Epidemiologic Data — ■Anne S. Reiner, Memorial Sloan-Kettering Cancer Center; Colin B. Begg, Memorial Sloan-Kettering Cancer Center; Elyn Riedel, Memorial Sloan-Kettering Cancer Center; Marinela Capanu, Memorial Sloan-Kettering Cancer Center; Jonine Bernstein, Memorial Sloan-Kettering Cancer Center
22:	A Statistical Model for Real-Time Estimation of the Cumulative Confirmed Dengue — ■Pei-Hung Chuang, National Yang-Ming University; I-Feng Lin, National Yang-Ming University; Jen-Hsiang Chuang, Centers for Disease Control and Prevention, Taiwan
23:	Lots of Data, Not Very Many People: Analysis of Multidimensional Profiles with Small Sample Sizes — ■Leann Myers, Tulane University; Margo A. Sidell, Tulane University; Michael J. Ferris, The Research Institute for Children
24:	A Statistical Analysis of Historical Pandemic Influenza Data — ■Emily J. Powell, University of California, Santa Cruz
25:	Syndromic Surveillance Monitoring of Influenza Activity in Los Angeles County — ■Emily Kajita, Los Angeles County Department of Public Health; Akbar Sharip, Los Angeles County Department of Public Health; Patricia Araki, Los Angeles County Department of Public Health; Long Tai, Los Angeles County Department of Public Health; Bessie Hwang, Los Angeles County Department of Public Health
26:	Estimating Risk for Transmission of Expanded Repeats Among Male Carriers of Intermediate Huntington Gene Alleles — ■Audrey E. Hendricks, Boston University School of Public Health; Jeanne Latourelle, Boston University School of Medicine; Kathryn Lunetta, Boston University School of Public Health; Marcy MacDonald, Harvard Medical School; Adrienne Cupples, Boston University School of Public Health; James Gusella, Harvard Medical School; Richard Myers, Boston University School of Medicine
27:	Risk Factors Associated with Young Adults Nonmedical Prescription Drug Use (NMPDU) Using a National Sample: A Comparison of Recursive Partitioning Trees and Logistic Regressions — ■Lirong Zhao, University of Maryland School of Pharmacy; Linda Simoni-Wastila, University of Maryland School of Pharmacy; Zhenqiu Liu, University of Maryland School of Medicine; Ming T. Tan, University of Maryland Greenebaum Cancer Center

28:	Methods To Model the Impact of Respiratory Viruses on Asthma Risk — ■Pingsheng Wu, Vanderbilt Univrsity Medical Center; Tebeb Gebretsadik, Vanderbilt University Medical Center; William Dupont, Vanderbilt University Medical Center; Kecia Carroll, Vanderbilt University Medical Center; Marie Griffin, Vanderbilt University Medical Center; Tina Hartert, Vanderbilt University Medical Center
29:	Comparative Simulation Analysis of Modeling Heterogeneity in Closed Population Capture-Recapture Studies — ■Rob C. Wild, University of Oklahoma Health Sciences Center
30:	Oklahoma Tobacco Helpline: A Comparison of Sampling and Weighting Methods for Follow-Up Evaluation — ■Emily Leary, University of Oklahoma Health Sciences Center; Bernardo Andrade, University of Oklahoma Health Sciences Center; Barbara Neas, University of Oklahoma Health Sciences Center; Laura Beebe, University of Oklahoma Health Sciences Center
31:	Geotemporal Spread of Influenza A in Canada and United States — ■Dena L. Schanzer, Public Health Agency of Canada; Trevor Dummer, Dalhousie University; Joanne Langley, Dalhousie University; Samina Aziz, Public Health Agency of Canada; Brian Winchester, Public Health Agency of Canada; Theresa Tam, Public Health Agency of Canada

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	Tue, 8/5/08, 9:00 AM - 5:00 PM	CC-A Lobby

ASA Marketplace

		Add To My Program
	Tue, 8/5/08, 9:00 AM - 6:00 PM	CC-Exhibit Hall F

EXPO 2008

		Add To My Program
	Tue, 8/5/08, 9:00 AM - 6:00 PM	CC-Exhibit Hall F

American Statistical Association Booth #101

		Add To My Program
203658	Tue, 8/5/08, 9:00 AM - 11:30 AM	CC--South Shuttle Bus Drop Off/14th & California

TR06 - Saloons and Bordellos Tour

Visit Larimer Square, once the seediest skid row in Denver, as well as Market Street. Next, check out the Cruise Room bar with art deco history far from politically correct, the infamous home of Madame Mattie Silks, and the Wynkoop Brewery. Transportation is not included. Advance Tickets: \$35 per person; On-site Tickets \$40 per person

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203659

Tue, 8/5/08, 9:00 AM - 1:00 PM

CC--South Shuttle Bus Drop Off/14th & California

TR07 - Foothills Tour

Red Rocks is a geologically formed, open-air amphitheater. The visitor center offers free interactive, educational displays featuring the site's geologic and musical history. On the way, stop by Dinosaur Ridge to view prehistoric dinosaur tracks and bones embedded in the sandstone. After the stop at Red Rocks, travel up to Lookout Mountain and visit the grave of William F. "Buffalo Bill" Cody. See Sitting Bull's bow and arrows, Buffalo Bill's show outfits, and Frederick Remington's "Portrait of a Ranch Hand." Advance Tickets: \$38 per person; On-site Tickets: \$43 per person

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Tue, 8/5/08, 10:30 AM - 12:00 PM

HY-Granite C

Statistical Programming Special Interest Group

Committee on Membership Retention and Recruitment

Chair(s): Monica Johnston, University of California, San Francisco

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Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-111

ASA College Stat Bowl II

ASA, ENAR, IMS, SSC, WNAR

Organizer(s): Stephanie Cano, The University of Texas at San Antonio

Chair(s): Stephanie Cano, The University of Texas at San Antonio

[Round 2](#) — ■Winners from Session 1, Six players will advance from Round 1 to Round 2

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244

Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-708

Developments in Spatial/Environmental Health Modeling - Invited - Papers		
Section on Statistics and the Environment , Section on Statistics in Epidemiology, WNAR		
<i>Organizer(s): Ying C. MacNab, The University of British Columbia</i>		
<i>Chair(s): Ying C. MacNab, The University of British Columbia</i>		
10:35 AM	Estimating a Pollutant's Policy-Related Background Level with Deterministic and Statistical Models — ■ James V. Zidek, The University of British Columbia; Zhong Liu, The University of British Columbia; Nhu Le, BC Cancer Research Center	
11:05 AM	Evaluating the Performance of Spatio-Temporal Bayesian Models in Disease Mapping — ■ Maria Dolores Ugarte, Public University of Navarra; Tomas Goicoa, Public University of Navarra ; Berta Ibañez, Fundación Vasca de Innovación e Investigación Sanitarias ; Ana F. Militino, Public University of Navarra	
11:35 AM	Space-Time Environmental Interaction Modeling for Small-Area Health Outcomes — ■ Andrew B. Lawson, University of South Carolina; Ahmed Al Hadrani, University of South Carolina	
12:05 PM	Floor Discussion	
		Add To My Program
245 ▲	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-603
New Statistical and Computational Methods for Analysis of Genomic Data with a Graphical Structure - Invited - Papers		
Biometrics Section , Biopharmaceutical Section, WNAR		
<i>Organizer(s): Hongzhe Li, University of Pennsylvania</i>		
<i>Chair(s): Hongzhe Li, University of Pennsylvania</i>		
10:35 AM	Statistical Inference of Network Structure — ■ Wing H. Wong, Stanford University	
11:00 AM	Pathways, Priors, Predictions: Network Inference in Cancer Systems Biology — ■ Sachi N. Mukherjee, University of Warwick	
11:25 AM	Use of the Graph Laplacian To Analyze Network Data — ■ Elizabeth Purdom, University of California, Berkeley	
11:50 AM	Bayesian Variable Selection in Structured High-Dimensional Covariate Spaces, with Applications in Genomics — ■ Nancy R. Zhang, Stanford University; Fan Li, Harvard Medical School	
12:15 PM	Floor Discussion	

		Add To My Program
246 ▲	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-707
Confidentiality Training: What Does It Mean, and How Is It Practiced? - Invited - Papers		
Committee on Privacy and Confidentiality , Section on Statistics in Epidemiology, Social Statistics Section		
<i>Organizer(s): J. Neil Russell, National Center for Education Statistics</i>		
<i>Chair(s): J. Neil Russell, National Center for Education Statistics</i>		
10:35 AM	Required Confidentiality Training: What Does It Mean and How Is It Practiced? An Overview of Concepts, Practices, and Key Considerations — ■Alvan O. Zarate, National Center for Health Statistics	
10:55 AM	Confidentiality Training in a Federal Statistical Agency — ■Christa D. Jones, U.S. Census Bureau	
11:15 AM	Implementing CIPSEA in a Brand New Statistical Unit: Implications for Staff, Contractor, and Agent Training — ■Jonaki Bose, Substance Abuse and Mental Health Services Administration	
11:35 AM	Confidentiality Training for the National Opinion Research Center's Data Enclave — ■Julia Lane, National Science Foundation; Timothy M. Mulcahy, National Opinion Research Center; Pascal Heus, Open Data Foundation	
11:55 AM	Disc: Alan Zaslavsky, Harvard University Medical School	
12:15 PM	Floor Discussion	
		Add To My Program
247 ●	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-110
Nonparametric Bayesian Data Analysis - Invited - Papers		
Council of Chapters , Section on Bayesian Statistical Science, Section on Nonparametric Statistics		
<i>Organizer(s): Yisheng Li, The University of Texas M.D. Anderson Cancer Center</i>		
<i>Chair(s): Xihong Lin, Harvard University</i>		
10:35 AM	Center-Adjusted Inference for a Nonparametric Bayesian Random Effect Distribution — ■Yisheng Li, The University of Texas M.D. Anderson Cancer Center; Peter Mueller, The University of Texas M.D. Anderson Cancer Center; Xihong Lin, Harvard University	
11:05 AM	Sparse Modeling of Conditional Response Distributions with Many Predictors — ■David Dunson, National Institute of Environmental Health Science	

11:35 AM	Bayesian Semiparametric Modeling and Inference for Longitudinal Diagnostic Testing Data — ■ Wesley O. Johnson, University of California, Irvine; Michelle Norris, University of California, Davis
12:05 PM	Floor Discussion
Add To My Program	
248 ● ▲	Tue, 8/5/08, 10:30 AM - 12:20 PM CC-702
Controversy and Convergence on Modeling Synergism in Drug Combination Studies - Invited - Papers	
ENAR, Biopharmaceutical Section, WNAR, Biometrics Section	
<i>Organizer(s): J. Jack Lee, The University of Texas M.D. Anderson Cancer Center</i>	
<i>Chair(s): J. Jack Lee, The University of Texas M.D. Anderson Cancer Center</i>	
10:35 AM	Trial by Fire: Comparison of Statistical Models for Studying Drug Combinations — ■ William R. Greco, University at Buffalo, SUNY
11:05 AM	Application of Mixed Models in Drug Combinations — ■ Maiying Kong, University of Louisville; J. Jack Lee, The University of Texas M.D. Anderson Cancer Center
11:35 AM	Controversy and Convergence on Modeling Synergism in Drug Combination Studies — ■ Ming T. Tan, University of Maryland Greenebaum Cancer Center; Hong-Bin Fang, University of Maryland Greenebaum Cancer Center
12:05 PM	Floor Discussion
Add To My Program	
249 ● ▲	Tue, 8/5/08, 10:30 AM - 12:20 PM CC-709
Would the Real Data Please Stand Up? Data Comparisons for Policy Analysis - Invited - Papers	
Section on Government Statistics, Section on Survey Research Methods, Social Statistics Section, Scientific and Public Affairs Advisory Committee	
<i>Organizer(s): Joan L. Turek, U.S. Department of Health and Human Services</i>	
<i>Chair(s): Michele J. Connelly, U.S. Social Security Administration</i>	
10:35 AM	Measuring Income and Poverty in Four Surveys: An Overview — ■ Connie Citro, Committee on National Statistics; Joan L. Turek, U.S. Department of Health and Human Services; Gabrielle Denmead, Denmead Services and Consulting; Sameer Desale, Synectics for Management Decisions Inc.; Brian James, U.S. Department of Health and Human Services

11:00 AM	How Much Is It Worth: Comparing the Policy-Analytic Value of Wealth Data from Four Surveys — ■John L. Czajka, Mathematica Policy Research, Inc.
11:25 AM	Misreporting of SSI and Social Security Benefits: Evidence from Comparisons of Survey and Administrative Data — Paul Davies, Social Security Administration; ■Lynn Fisher, Social Security Administration
11:50 AM	A Comparison of the Health Insurance Coverage Estimates from Four National Surveys and Six State Surveys — ■Michael Davern, The University of Minnesota/SHADAC
12:15 PM	Floor Discussion

[Add To My Program](#)

250 ● ▲

Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-105

Statistical Challenges in Online Advertising and Search - Invited - Papers

Section on Statistical Computing

Organizer(s): Deepak Agarwal, Yahoo! Research

Chair(s): Deepak Agarwal, Yahoo! Research

10:35 AM	Understanding Online Advertisers — ■Daryl Pregibon, Google, Inc.; Diane Lambert, Google, Inc.
11:00 AM	Placing Online Advertisements Based on Context — ■Kishore A. Papineni, Yahoo! Research
11:25 AM	Social and Semantic Structures in Web Search — ■Andrew Tomkins, Yahoo! Inc.
11:50 AM	Disc: Ravi Kumar, Yahoo! Research
12:10 PM	Floor Discussion

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Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-206

Signal Classification and Pattern Discovery - Invited - Papers

ASA Interest Group on Statistical Learning and Data Mining, Section on Nonparametric Statistics, Section on Statisticians in Defense and National Security

Organizer(s): Hernando Ombao, Brown University

Chair(s): Hernando Ombao, Brown University

10:35 AM	A VAR Model for Effective Connectivity in Slow Event-Related fMRI Designs — ■Wesley Thompson, University of Pittsburgh
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11:05 AM	Detection of Cognitive Fatigue from EEG Signals — ■Raquel Prado, University of California, Santa Cruz
11:35 AM	Discovering Patterns of Connectivity Within the Human Brain — ■F. DuBois Bowman, Emory University
12:05 PM	Floor Discussion
Add To My Program	
252  	Tue, 8/5/08, 10:30 AM - 12:20 PM
CC-705	
Consulting Service Models for Academic Medical Centers: What Works, What Doesn't Work, Reaching Out, and Filling the Growing Need - Invited - Papers	
Section on Statistical Consulting, WNAR, Section on Statistics in Epidemiology	
<i>Organizer(s): Shelley Hurwitz, Brigham & Women's Hospital</i>	
<i>Chair(s): Katherine Monti, Rho, Inc.</i>	
10:35 AM	The Staff Model, the Independent Contractor Model, and Marketing the Consulting Service in a Teaching and Research Hospital — ■Shelley Hurwitz, Brigham & Women's Hospital
10:55 AM	Statistical Consulting for a Newly Formed Department of Biostatistics in a Highly Collaborative Environment at the University of Kansas Medical Center — ■Jonathan Mahnken, The University of Kansas Medical Center
11:15 AM	Consulting and Collaboration Model for a Health Sciences Center — ■Guy Brock, University of Louisville; Rudolph Parrish, University of Louisville
11:35 AM	Consult, Coordinate, and Critique: How the University of Minnesota Department of Family Medicine Came To Be Ranked #2 — ■Bruce A. Center, The University of Minnesota; Anne M. Weber-Main, The University of Minnesota; Carole J. Bland, The University of Minnesota
11:55 AM	Teaching Statistics in the Consulting Environment: Experiences at the University of Iowa Biostatistics Consulting Center — ■M. Bridget Zimmerman, The University of Iowa
12:15 PM	Floor Discussion
Add To My Program	
253	Tue, 8/5/08, 10:30 AM - 12:20 PM
CC-108	
Inference of Structure and Information Flow in Networks - Invited - Papers	
IMS, Section on Statisticians in Defense and National Security	
<i>Organizer(s): Robert Nowak, University of Wisconsin-Madison</i>	
<i>Chair(s): Eric Kolaczyk, Boston University</i>	

10:35 AM	Bayesian Inference for Stochastic Biochemical Network Parameters via a Diffusion Approximation — ■Andrew Golightly, Newcastle University	
11:05 AM	Optimal Designs for Network Traffic Measurement Schemes — ■Harsh Singhal, Unverisity of Michigan; George Michailidis, The University of Michigan	
11:35 AM	Network Inference from Co-Occurrences — ■Robert Nowak, University of Wisconsin-Madison	
12:05 AM	Floor Discussion	
Add To My Program		
254	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-703
The SAMSI Program on Risk Analysis, Extreme Events, and Decision Theory - Topic Contributed - Papers		
Section on Risk Analysis		
<i>Organizer(s): Richard L. Smith, The University of North Carolina at Chapel Hill</i>		
<i>Chair(s): Nell Sedransk, National Institute of Statistical Sciences</i>		
10:35 AM	Extreme Co-Movements and Extreme Impacts in High-Frequency Data in Finance — ■Zhengjun Zhang, University of Wisconsin-Madison	
10:55 AM	Modelling Multivariate Extreme Dependence — ■Xiao Qin, Beihang University/University of North Carolina; Richard L. Smith, The University of North Carolina at Chapel Hill; Ruoan Ren, Beihang University	
11:15 AM	Multivariate Analyses of Extremes — Luis R. Pericchi, University of Puerto Rico; Beatriz Mendes, Universidade Federal de Rio de Janeiro; Scott Sisson, University New South Wales; ■Abel Rodriguez, University of California, Santa Clara	
11:35 AM	Downscaling Extremes: A Comparison of Extreme Value Distributions in Point-Source and Gridded Precipitation Data — ■Elizabeth C. Shamseldin, The University of North Carolina at Chapel Hill; Richard L. Smith, The University of North Carolina at Chapel Hill; Stephan Sain, National Center for Atmospheric Research; Dan Cooley, Colorado State University; Linda O. Mearns, National Center for Atmospheric Research	
11:55 AM	Hurricanes and Global Warming — ■Richard L. Smith, The University of North Carolina at Chapel Hill; Evangelos Evangelou, The University of North Carolina at Chapel Hill; Gabriel A. Vecchi, Geophysical Fluid Dynamics Laboratory; Thomas R. Knutson, Geophysical Fluid Dynamics Laboratory	
12:15 PM	Floor Discussion	
Add To My Program		

255  	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-601
Survival Analysis Methods - Topic Contributed - Papers		
Biometrics Section, Biopharmaceutical Section, WNAR		
<i>Organizer(s): M. Brent McHenry, Bristol-Myers Squibb Company</i>		
<i>Chair(s): M. Brent McHenry, Bristol-Myers Squibb Company</i>		
10:35 AM	Intent-to-Treat Duration of Response: Statistical Issues in Study Design and Analysis —  Ritwik Sinha, Bristol-Myers Squibb Company; Tai-Tsang Chen, Bristol-Myers Squibb Company; Chao Zhu, Bristol-Myers Squibb Company	
10:55 AM	Use of Classification Tree Techniques To Determine the Likelihood of Pretransplant Death Among Patients Awaiting Liver Transplantation —  Chung-Chou Chang, University of Pittsburgh; Fiona M. Callaghan, University of Pittsburgh	
11:15 AM	Extensions of Frailty Models for Multivariate Grouped Survival Data —  Andrea B. Troxel, University of Pennsylvania; Denise A. Esserman, The University of North Carolina at Chapel Hill	
11:35 AM	Censored Geometric Regression with Application to Human Subfertility —  Steven J. Schwager, Cornell University; Daniel Zelterman, Yale University	
11:55 AM	Models for Longitudinal Survival Data —  Stuart R. Lipsitz, Harvard Medical School; Debajyoti Sinha, Florida State University; M. Brent McHenry, Bristol-Myers Squibb Company	
12:15 PM	Floor Discussion	
		Add To My Program
256  	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-605
Beyond Design: Reaching Out with NHANES Data - Topic Contributed - Papers		
Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section, WNAR, Section on Health Policy Statistics		
<i>Organizer(s): Sylvia Dohrmann, Westat, Inc.</i>		
<i>Chair(s): Jennifer Madans, Centers for Disease Control and Prevention</i>		
10:35 AM	When Good Weights Seem Bad: Nuances of Sample Weights in the NHANES —  Lester R. Curtin, Centers for Disease Control and Prevention; Sylvia Dohrmann, Westat, Inc.	
10:55 AM	Producing Local Area Estimates for NHANES —  Leyla Mohadjer, Westat, Inc.; Robert E. Fay, Westat, Inc.; Lester R. Curtin, Centers for Disease Control and Prevention	

11:15 AM	Challenges and Consequences from Combining National Health Surveys with Air Monitoring Data — ■Jennifer D. Parker, Centers for Disease Control and Prevention; Lester R. Curtin, Centers for Disease Control and Prevention; Nataliya Kravets, NOVA Research
11:35 AM	Comparing Methods for Left-Censored Data Using Two-Parameter Lognormal and Johnson's SB Distributions: The Case of Environmental Data from NHANES — ■Philip Villanueva, U.S. Environmental Protection Agency
11:55 AM	Disc: Sarah Nusser, Iowa State University
12:15 PM	Floor Discussion

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Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-710

Statistical Innovations in Health Services Research - Topic Contributed - Papers

Section on Health Policy Statistics, Section on Quality and Productivity, WNAR

Organizer(s): Joseph C. Gardiner, Michigan State University

Chair(s): Joseph C. Gardiner, Michigan State University

10:35 AM	A Stochastic Frontier Model for Cost-Effectiveness Analysis with Clustered Data — ■Zhehui Luo, RTI International; Jeremy W. Bray, RTI International; Alexander Cowell, RTI International; Joseph C. Gardiner, Michigan State University
10:55 AM	Improved Health Policy Decisionmaking via Efficiency Gains with Recurrent Events — ■Edsel A. Pena, University of South Carolina; Akim M. Adekpedjou, University of Missouri-Rolla; Jonathan Quiton, Western Kentucky University
11:15 AM	Use of Spatially Adjusted Bayesian Additive Regression Tree (SBART) Model To Reduce Ecological Fallacy in Health Services Research — ■Ya-Chen T. Shih, The University of Texas M.D. Anderson Cancer Center; Song Zhang, The University of Texas Southwestern Medical Center
11:35 AM	A New Approach for the Analysis of Stage-Sequential Development — ■Hwan Chung, Michigan State University
11:55 AM	Disc: M. Hossein Rahbar, The University of Texas Health Science Center at Houston
12:15 PM	Floor Discussion

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Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-706

Data Analysis Issues in Medical Device Trials - Topic Contributed - Papers		
Biopharmaceutical Section, WNAR, Biometrics Section		
<i>Organizer(s): Jeng Mah, American Medical Systems, Inc., Vandana Mukhi, U.S. Food and Drug Administration</i>		
<i>Chair(s): Zengri J. Wang, Medtronic, Inc.</i>		
10:35 AM	Subgroup Analysis — ■Chul H. Ahn, U.S. Food and Drug Administration	
10:55 AM	Group Sequential Trial Design To Test Both Superiority and Noninferiority — ■Vandana Mukhi, U.S. Food and Drug Administration; Yongzhao Shao, Iowa State University	
11:15 AM	Application of Bootstrap and Jackknife Methods in Clinical Risk Score Generation — ■Aijun Song, Boston Scientific Corporation; Yun Lu, Boston Scientific Corporation; Kevin Najarian, Boston Scientific Corporation	
11:35 AM	Covariate-Adjusted Putative Placebo Analysis in Active-Controlled Clinical Trials — ■Zhiwei Zhang, U.S. Food and Drug Administration	
11:55 AM	Floor Discussion	
Add To My Program		
259 ●	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-102
Statistics for Climate Models - Topic Contributed - Papers		
Section on Bayesian Statistical Science, Section on Statistics and the Environment		
<i>Organizer(s): Bruno Sanso, University of California, Santa Cruz</i>		
<i>Chair(s): Doug Nychka, National Center of Atmospheric Research</i>		
10:35 AM	Learning About Complex Physical Systems from Multiple Computer Models — ■Leanna L. House, University of Durham; Michael Goldstein, University of Durham; Jonathon Rougier, University of Bristol	
10:55 AM	Computational Approaches for Parameter Estimation in Climate Models — Alejandro Villagran, University of New Mexico; ■Gabriel Huerta, University of New Mexico; Charles Jackson, The University of Texas at Austin; Mrinal Sen, The University of Texas at Austin	
11:15 AM	Hierarchical Calibration of a Climate Model — ■James Gattiker, Los Alamos National Laboratory; Dave Higdon, Los Alamos National Laboratory	
11:35 AM	Estimating the Probability Distribution of Climate System Properties — ■Bruno Sanso, University of California, Santa Cruz; Chris Forest, Massachusetts Institute of Technology	

11:55 AM	Parameter Estimation for Computationally Intensive Nonlinear Regression with an Application to Climate Modeling — ■Dorin Drignei, Oakland University; Doug Nychka, National Center of Atmospheric Research; Chris Forest, Massachusetts Institute of Technology
12:15 PM	Floor Discussion
Add To My Program	
260 ● ▲	Tue, 8/5/08, 10:30 AM - 12:20 PM CC-107
Dimension Reduction, Variable Selection, and Correlation Pursuit in Semiparametric Settings - Topic Contributed - Papers	
Section on Nonparametric Statistics, WNAR, IMS	
<i>Organizer(s): Wenxuan Zhong, University of Illinois at Urbana-Champaign</i>	
<i>Chair(s): Yijun Zuo, Michigan State University</i>	
10:35 AM	Dimension Reduction with Possible Application in Bioinformatics — ■Wenxuan Zhong, University of Illinois at Urbana-Champaign
10:55 AM	A Link-Free Method for Testing the Significance of Predictors — ■Peng Zeng, Auburn University
11:15 AM	An Asymptotic Analysis of the Stepwise Correlation Pursuit Variable Selection Method — ■Tingting Zhang, Harvard University; Wenxuan Zhong, University of Illinois at Urbana-Champaign; Jun S. Liu, Harvard University
11:35 AM	Selective Partially Augmented Naïve Bayes with Model Averaging — ■Yuan Yuan, Harvard University; Jun S. Liu, Harvard University
11:55 AM	Penalized Linear Methods for Estimation and Variable Selection in Index Models — ■Michael Y. Zhu, Purdue University; Jian Zhang, Purdue University
12:15 PM	Floor Discussion
Add To My Program	
261 ● ▲	Tue, 8/5/08, 10:30 AM - 12:20 PM CC-103
Statistical Graphics for Analysis and Reporting of Clinical Data - Topic Contributed - Papers	
Section on Statistical Graphics, Biopharmaceutical Section	
<i>Organizer(s): Michael O'Connell, Insightful Corporation</i>	
<i>Chair(s): Michael O'Connell, Insightful Corporation</i>	

10:35 AM	Application of Statistical Graphics in Clinical Trial Data Analysis — ■ Julia Wang, Johnson & Johnson Pharmaceutical R&D, LLC; Surya Mohanty, Johnson & Johnson Pharmaceutical R&D, LLC
10:55 AM	Multivariate Display of Laboratory Data for Safety Analysis — ■ Charles F. Contant, Pfizer Global Research and Development; Robb J. Muirhead, Pfizer Global Research and Development
11:15 AM	Graphical Exploration for Cardiovascular Safety Data in Clinical Trials — ■ Ihab G. Girgis, Johnson & Johnson Pharmaceutical R&D, LLC; Surya Mohanty, Johnson & Johnson Pharmaceutical R&D, LLC
11:35 AM	Reporting of Safety and Efficacy Data Collected in Clinical Trials: A Statistical Reviewer's Perspective — ■ Mat Soukup, U.S. Food and Drug Administration
11:55 AM	Graphical Analysis of Adverse Event Data — ■ Haijun Ma, Amgen, Inc; H. Amy Xia, Amgen, Inc
12:15 PM	Floor Discussion

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Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-712

Joint Student Paper Competition Presentations - Topic Contributed - Papers

Social Statistics Section, Section on Government Statistics, Section on Survey Research Methods

Organizer(s): Jana Asher, Carnegie Mellon University

Chair(s): Dean Resnick, U.S. Census Bureau

10:35 AM	Local Post-Stratification and Diagnostics in Dual System Accuracy and Coverage Evaluation for U.S. Census — ■ Cheng Yong Tang, Iowa State University; Song Xi Chen, Iowa State University
10:55 AM	The Prior Selection and Approximations in a Hierarchical Bayes Approach: An Application to the Small-Area Income and Poverty Estimation — ■ Santanu Pramanik, University of Maryland, College Park
11:15 AM	Bayesian Penalized Spline Model-Based Estimation for Finite Population Proportion in Unequal Probability Sampling — ■ Qixuan Chen, The University of Michigan; Michael R. Elliott, The University of Michigan; Roderick J. Little, The University of Michigan
11:35 AM	Model Selection with Partially Synthetic Data — ■ Satkartar Kinney, National Institute of Statistical Sciences; Jerome Reiter, Duke University; James Berger, Duke University/SAMSI
11:55 AM	Calculating Cell Bounds in Contingency Tables Based on Conditional Frequencies — ■ Byran J. Smucker, The Pennsylvania State University; Aleksandra B. Slavkovic, The Pennsylvania State University

12:15 PM	Floor Discussion	
		Add To My Program
263	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-109
Research Using the Survey of Attitudes Toward Statistics (SATS) - Topic Contributed - Panel		
Section on Statistical Education		
<i>Organizer(s): Marjorie E. Bond, Monmouth College</i>		
<i>Chair(s): Leigh V. Slauson, Otterbein College</i>		
Abstract:	Research Using the Survey of Attitudes Toward Statistics (SATS)	
Panelists:	<ul style="list-style-type: none"> ■ Marjorie E. Bond, Monmouth College ■ Candace Schau, CS Consultants ■ Rebecca L. Pierce, Ball State University ■ Sue Schou, Idaho State University 	
12:15 PM	Floor Discussion	
		Add To My Program
264	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-711
Problems with RDD Surveys - Contributed - Papers		
Section on Survey Research Methods, Section on Government Statistics		
<i>Chair(s): Jeri M. Mulrow, National Science Foundation</i>		
10:35 AM	Statistical Challenges Facing Cell Phone Surveys — ■ Michael P. Battaglia, Abt Associates, Inc.; Martin R. Frankel, Baruch College and Abt Associates Inc.; Ali H. Mokdad, Centers for Disease Control and Prevention	
10:50 AM	Adjustment for Noncoverage of Nonlandline Telephone Households in an RDD Survey — Sadeq R. Chowdhury, National Opinion Research Center; ■ Robert Montgomery, National Opinion Research Center; Philip J. Smith, Centers for Disease Control and Prevention	
11:05 AM	Cell Phone--Only Household in a National Mail Survey: Who Are They? — ■ Daifeng Han, Westat, Inc.; David Cantor, Westat, Inc.	
11:20 AM	Considerations for the Implementation of an RDD Telephone Survey — ■ David Ferraro, Westat, Inc.; Tom Krenzke, Westat, Inc.; Jill Montaquila, Westat, Inc.	

11:35 AM	Differential Bias Between the Cell Telephone--Only Population and the Landline Population in an Immunization Survey — ■Martin Barron, National Opinion Research Center; Kirk Wolter, National Opinion Research Center; Cindy Howes, National Opinion Research Center; Karen Wooten, National Center for Immunization and Respiratory Diseases; Meena Khare, National Center for Health Statistics
11:50 AM	Responsive Design for Random Digit Dial Surveys Using Auxiliary Survey Process Data and Contextual Data — ■Sunghee Lee, University of California, Los Angeles; Tom Belin, University of California, Los Angeles; Christopher Pankonin, University of California, Los Angeles; J. Michael Brick, Westat, Inc.; Jennifer Edgar, Bureau of Labor Statistics
12:05 PM	Where Have All the Smokers Gone? A Simple Strategy for Targeting Rare Subgroups for RDD Studies — ■Mansour Fahimi, Marketing Systems Group; Douglas Currivan, RTI International; Jeniffer I. Perez, RTI International; Matthew Farrelly, RTI International

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Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-607

Imputation for Item Nonresponse - Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section

Chair(s): Jill Montaquila, Westat, Inc.

10:35 AM	Imputation of Missing Data for the Pre-Elementary Education Longitudinal Survey — ■Lin Li, Westat, Inc.; Annie Lo, Westat, Inc.; Greg Norman, Westat, Inc.; Hyunshik Lee, Westat, Inc.
10:50 AM	A Study of Imputation Alternatives for the Quarterly Financial Report — ■Melvin J. McCullough, U.S. Census Bureau; Donald M. Luery, U.S. Census Bureau; Terry L. Pennington, U.S. Census Bureau
11:05 AM	Fractional Regression Nearest Neighbor Imputation — ■Minhui Paik, Iowa State University
11:20 AM	Study of Item Nonresponse for a Sample of Questionnaires for the 2007 Commodity Flow Survey (CFS) — ■Hossain Eftekhari-Sanjani, U.S. Department of Transportation; Ronald Duych, U.S. Department of Transportation; Joy Sharp, U.S. Department of Transportation; Michael Margreta, U.S. Department of Transportation
11:35 AM	Data-Driven Post Modeling Sensitivity Analysis To Detect Missing Data Mechanism — ■Mortaza Jamshidian, California State University, Fullerton
11:50 AM	The Fraction of Missing Information as a Tool for Monitoring the Quality of Survey Data — ■James Wagner, The University of Michigan

12:05 PM	General Methods and Algorithms for Modeling and Imputing Discrete Data Under a Variety of Constraints — ■William E. Winkler, U.S. Census Bureau	
		Add To My Program
266	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-606
Missing Data Methods - Contributed - Papers		
Biometrics Section, Section on Survey Research Methods		
<i>Chair(s): Guanghui Wei, The University of Michigan</i>		
10:35 AM	Using an Informative Missing Data Model To Predict the Ability To Assess Recovery of Balance Control After Spaceflight — ■Alan H. Feiveson, National Aeronautics and Space Administration; Scott Wood, Universities Space Research Association; William H. Paloski, National Aeronautics and Space Administration; Varsha Jain, Imperial College, London	
10:50 AM	Pattern Mixture Models Incorporating Reasons for Dropout — ■Sachiko Miyahara, University of Pittsburgh; Meredith Lotz, University of Pittsburgh; Gong Tang, University of Pittsburgh	
11:05 AM	A Unified Capture-Recapture Model — ■Matthew Schofield, Columbia University; Richard Barker, University of Otago	
11:20 AM	Assessing Bias Associated with Missing Data from Joint Canada/U.S. Survey of Health: An Application — ■Sunita Ghosh, Alberta Cancer Board; Punam Pahwa, University of Saskatchewan	
11:35 AM	Modeling of Longitudinal Biomarker Data with Dropout and Death Using a Weighted Pseudo--Maximum Likelihood Method — ■M. Abdus Sattar, University of Pittsburgh; Lisa Weissfeld, University of Pittsburgh; Gina D'Angelo, Washington University School of Medicine	
11:50 AM	Respondent-Driven Sampling in an HIV at-Risk Population: The Analogy with Markov Chain Monte Carlo — ■Robert E. Weiss, University of California, Los Angeles; Jason Wang, University of California, Los Angeles; Pamina Gorbach, BERG; Steve Shoptaw, University of California, Los Angeles	
12:05 PM	Floor Discussion	
		Add To My Program
267 ●	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-608
Methods for Survival Time Analyses - Contributed - Papers		
Section on Statistics in Epidemiology, Section on Nonparametric Statistics, Section on Quality and Productivity, Biometrics Section		

<i>Chair(s): Jayawant Mandrekar, Mayo Clinic</i>		
10:35 AM	Structural Models for the Effect of a Time-Varying Exposure on Survival — ■ Jessica G. Young, Harvard School of Public Health; Miguel A. Hernán, Harvard School of Public Health; Sally Picciotto, Harvard School of Public Health; James Robins, Harvard School of Public Health	
10:50 AM	Joint Model of Longitudinal Binary Data with Discrete Survival Time — ■ Kirsten Lum, National Institutes of Health; Rajeshwari Sundaram, National Institutes of Health; Germaine Buck Louis, National Institutes of Health	
11:05 AM	Semiparametric Methods for the Analysis of Clustered Survival Data from Case-Cohort Studies — ■ Hui Zhang, The University of Michigan; Douglas E. Schaebel, The University of Michigan; John Kalbfleisch, The University of Michigan	
11:20 AM	A Method for Finding the Nadir of Nonmonotonic Relationships — ■ Fei Tan, Florida State University	
11:35 AM	Exponential Tilt Models in the Presence of Censoring — ■ Chi Wang, Johns Hopkins University; Zhiqiang Tan, Rutgers, The State University of New Jersey; Thomas A. Louis, Johns Hopkins University	
11:50 AM	A Multivariate Classification Tree for Survival Data with Competing Risks — ■ Fiona M. Callaghan, University of Pittsburgh	
12:05 PM	Floor Discussion	
		Add To My Program
268 ●	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-202
Solving Statistical Problems in Marketing Science - Contributed - Papers		
Section on Statistics and Marketing		
<i>Chair(s): Igor Mandel, Advanced Marketing Models</i>		
10:35 AM	Data Mining Pitfalls: The Nontechnical Killer Errors — ■ Sam Koslowsky, Harte Hanks	
10:50 AM	Combined Personalization Approach to Different Stages of Marketing — ■ Hye-Kyoung Kim, Intellidyn Corp.; Dmitri V. Kuznetsov, Intellidyn Corp.	
11:05 AM	Opinion Spreading and Personalization in Marketing — ■ Dmitri V. Kuznetsov, Intellidyn Corp.	
11:20 AM	Customer Segmentation: Data Mining Application for the Auto Insurance Industry — ■ David S. Dobson, North Carolina State University	
11:35 AM	Statistical Assessment of the Sample Size Requirement for Projection of the Automobile Sales Volume in the U.S. Market — ■ Keiko I. Powers, J.D. Power and Associates	

11:50 AM	A System of Models for the Process of Automobile Sales Behavior — ■James G. Wendelberger, Urban Science Applications, Inc.
12:05 PM	Local Regression with Random Censored Data for Customer Wallet Data Mining — ■S. Tom Au, AT&T Labs - Research; William Pepe, AT&T Labs - Research
Add To My Program	
269 ●	Tue, 8/5/08, 10:30 AM - 12:20 PM CC-106
Technology for Teaching Statistics in the Traditional and Online Classrooms - Contributed - Papers	
Section on Statistical Education	
<i>Chair(s): Gail Tudor, Husson College</i>	
10:35 AM	Tablet PC Applications in Statistics Education, Part I — ■Christopher R. Bilder, University of Nebraska-Lincoln; Christopher J. Malone, Winona State University
10:50 AM	Tablet PC Applications in Statistics Education, Part II — ■Christopher J. Malone, Winona State University; Christopher R. Bilder, University of Nebraska-Lincoln
11:05 AM	Look, Ma, No Textbook! Computerized Statistics Learning — ■Sandra Clarkson, Hunter College of CUNY; Bill Williams, Hunter College of CUNY
11:20 AM	Expect More, Get More: The Joys of Teaching Online — ■Olcay Akman, Illinois State University
11:35 AM	Assessment of Online Statistics Courses — ■David W. Stockburger, U.S. Air Force Academy; S. David Kriska, The Ohio State University
11:50 AM	The Use of Microsoft Excel for Statistical Analyses: An Update — ■John D. McKenzie, Jr., Babson College
12:05 AM	Floor Discussion
Add To My Program	
270 ●	Tue, 8/5/08, 10:30 AM - 12:20 PM CC-701
Topics in Physical and Engineering Sciences - Contributed - Papers	
Section on Physical and Engineering Sciences	
<i>Chair(s): Peter Hovey, University of Dayton</i>	
10:35 AM	The Importance of Identifying Different Components of Mixture Distribution in Reliability Predictions — ■Yili Hong, Iowa State University; William Q. Meeker, Iowa State University

10:50 AM	Generalized Inferences for the Common Scale Parameter of the Several Pareto Populations — ■ Sumith Gunasekera, University of Nevada, Las Vegas; Malwane Ananda, University of Nevada, Las Vegas
11:05 AM	On Classification of Bivariate Distributions Based on Mutual Information — ■ Mohamed Habibullah, Northeastern University; Mohammad Ahsanullah, Rider University
11:20 AM	Inference on Multiresolution Spatial-Temporal Process with Application — ■ Wanli Min, IBM T. J. Watson Research Center
11:35 AM	Analyzing Hybrid Randomized Response Data with a Binomial Selection Procedure — ■ Feiyi Jia, Oakland University; Gary C. McDonald, Oakland University
11:50 AM	On Diffusion Processes with Gaussian Marginals — ■ Rabab S. Jafri, University of Nottingham; Sergey Utev, University of Nottingham
12:05 PM	Floor Discussion

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Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-113

Advances in Functional and Related Data Analysis - Contributed - Papers

Section on Nonparametric Statistics, Section on Statistical Computing, IMS

Chair(s): Sam Efromovich, The University of Texas at Dallas

10:35 AM	Functional Singular Value Decomposition and Applications — ■ Wenjing Yang, University of California, Davis; Hans G. Müller, University of California, Davis
10:50 AM	Manifold Models for Functional Data — ■ Dong Chen, University of California, Davis; Hans G. Müller, University of California, Davis
11:05 AM	BLUP for Functional Data — ■ Ana Kupresanin, Arizona State University
11:20 AM	A Generalized CP Criterion for Evaluating Derivative Estimates — ■ Richard Charnigo, University of Kentucky; Cidambi Srinivasan, University of Kentucky
11:35 AM	Improved Covariance Inversion and Derivative Estimation for Sparse and Irregularly Observed Functional Data — ■ Bitao Liu, University of California, Davis; Hans G. Müller, University of California, Davis
11:50 AM	A Distribution-Free Test of Constant Mean in Linear Mixed Effects Models — ■ Xinlei Wang, Southern Methodist University; Johan Lim, Yonsei University
12:05 PM	Robust Curve Classification — Hyejin Shin, Auburn University; ■ Nedret Billor, Auburn University

		Add To My Program
272	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-104
Nonparametric and Semiparametric Bayesian Methods - Contributed - Papers		
Section on Bayesian Statistical Science, Section on Nonparametric Statistics, Section on Statistical Computing		
<i>Chair(s): Sourish Das, University of Connecticut</i>		
10:35 AM	Bayesian Clustering with Regression — ■ Fernando A. Quintana, Pontificia Universidad Católica de Chile; Peter Mueller, The University of Texas M.D. Anderson Cancer Center; Gary L. Rosner, The University of Texas M.D. Anderson Cancer Center	
10:50 AM	A Mixture of Semiparametric Models — ■ Yeonok Lee, The University of Iowa	
11:05 AM	Nonparametric Bayesian Models with Various Base Measures — ■ Ju Hee Lee, The Ohio State University	
11:20 AM	Bayesian Semiparametric Modeling and Functional Data Analysis with Application to the Texas Lottery — ■ Anandamayee Majumdar, Arizona State University; Randall Eubank, Arizona State University	
11:35 AM	Bayesian Joint Modeling Method for Survival Analysis with Curve Predictors —	
11:50 AM	The Probit Stick-Breaking Process Mixture for Conditional Distribution Modeling with Variable Selection — ■ Yeonseung Chung, The University of North Carolina at Chapel Hill; David Dunson, National Institute of Environmental Health Science	
12:05 PM	Using Prior Information in Bayesian Nonparametric Models — ■ David B. Dahl, Texas A&M University	
		Add To My Program
273	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-112
Government Statistics - Contributed - Papers		
Business and Economics Statistics Section, Social Statistics Section		
<i>Chair(s): Aaron Tenenbein, New York University, Stern</i>		
10:35 AM	Frame Improvements to Statistics Canada Business Register — ■ Yanick Beaucage, Statistics Canada; Wesley Yung, Statistics Canada	
10:50 AM	The Quality Assurance Survey and Its Impact on the Canadian Business Register — ■ Tyler Kirkland, Statistics Canada; Zeeshan Mahmood, Statistics Canada; Caroline Pelletier, Statistics Canada	

11:05 AM	An Analysis of Key Differences in Micro Data: Results from the Business List Comparison Project — ■ Lucia Foster, U.S. Census Bureau; Kristin Fairman, Bureau of Labor Statistics; C. J. Krizan, U.S. Census Bureau; Ian Rucker, Bureau of Labor Statistics
11:20 AM	Is the Grass Always Greener on the Other Side? Assessing the Determinants of Individual Well-Being Across Europe — Luisa Corrado, University of Cambridge; ■ Aqib Aslam, University of Cambridge
11:35 AM	Multiple Imputation Approaches for Right-Censored Wages in the German IAB Employment Register — ■ Thomas Buettner, Institute for Employment Research; Susanne Rässler, Otto-Friedrich University Bamberg
11:50 AM	Disclosure Protection: A New Approach to Cell Suppression — ■ Bei Wang, U.S. Census Bureau
12:05 PM	Remeasuring the Size of the World's Economy — ■ Frederic A. Vogel, The World Bank

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Tue, 8/5/08, 10:30 AM - 12:20 PM

CC-602

Procedures for Nonparametric Regression Modeling - Contributed - Papers

Biometrics Section, Section on Nonparametric Statistics

Chair(s): Qian Graves, U.S. Food and Drug Administration

10:35 AM	Covariate Adjusted Correlation Analysis with Application to FMR1 Premutation — ■ Danh V. Nguyen, University of California, Davis; Damla Senturk, The Pennsylvania State University
10:50 AM	Self-Modeling Regression with Regression Splines and Random Curve-Specific Parameters: Application to Arterial Pulse Pressure Waveforms — ■ Lyndia C. Brumback, University of Washington; Douglas Tommet, Institute for Aging Research; Richard Kronmal, University of Washington
11:05 AM	Using Bernstein Polynomials To Model Misclassification in BI-RADS Breast Density Measurements — ■ Charlotte C. Gard, University of Washington; Elizabeth R. Brown, University of Washington
11:20 AM	A Varying-Coefficient Model for the Evaluation of Time-Varying Concomitant Intervention Effects in Longitudinal Studies — ■ Colin O. Wu, National Heart, Lung, and Blood Institute; Xin Tian, National Heart, Lung, and Blood Institute; Heejung Bang, Weill Medical College of Cornell University
11:35 AM	Inference on Quantile Regression for Heteroscedastic Mixed Models — ■ Huixia Wang, North Carolina State University
11:50 AM	Varying Coefficient Model for Epigenetic Modifications — ■ Dong Wang, University of Nebraska-Lincoln

12:05 PM	Nugget Estimation for a Class of Nonparametric Semivariograms — ■ Jeffrey Spence, The University of Texas Southwestern Medical Center; Patrick Carmack, The University of Texas Southwestern Medical Center; Qihua Lin, The University of Texas Southwestern Medical Center; Richard Gunst, Southern Methodist University; William R. Schucany, Southern Methodist University	
		Add To My Program
275	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-604
Case-Control Studies and Logistic Regression: New Extensions - Contributed - Papers		
Biometrics Section, Biopharmaceutical Section, Section on Statistics in Epidemiology		
<i>Chair(s): Jorge G. Morel, Procter & Gamble</i>		
10:35 AM	Optimum Two-Stage Sampling with Inexpensive Error-Prone and Expensive Error-Free Measures for Designing a Case-Control Study — ■ Jun-mo Nam, National Cancer Institute	
10:50 AM	Bias Reduction and a Solution for Separation of Logistic Regression with Missing Covariates — ■ Tapabrata Maiti, Iowa State University; Vivek Pradhan, Cytel Inc.	
11:05 AM	Statistical Inferences for Outcome-Dependent Sampling Design with Multivariate Outcomes — ■ Tsui-Shan (Eva) Lu, The University of North Carolina at Chapel Hill; Haibo Zhou, The University of North Carolina at Chapel Hill	
11:20 AM	Association Models for Clustered Data with Binary and Continuous Responses — ■ Lanjia Lin, Florida State University; Stuart R. Lipsitz, Harvard Medical School; Dipankar Bandyopadhyay, Medical University of South Carolina; Debajyoti Sinha, Florida State University	
11:35 AM	Fitting Stratified Proportional Odds Models by Amalgamating Conditional Likelihoods — Bhramar Mukherjee, The University of Michigan; ■ Jaeil Ahn, The University of Michigan	
11:50 AM	Exact Trend Tests for Correlated Categorical Data — ■ Chris Corcoran, Utah State University; Pralay Senchuadhuri, Cytel Inc.	
12:05 PM	Floor Discussion	
		Add To My Program
276 ● ▲	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-704
Multiple Comparisons in Clinical Trials - Contributed - Papers		
Biopharmaceutical Section, Biometrics Section		

<i>Chair(s): Yingwen Dong, Merck & Co., Inc.</i>		
10:35 AM	On the Generalization of Closed Testing Procedures with Null Hypotheses Grouped into Families — ■ Hanjoo Kim, University of Pennsylvania School of Medicine; A. Richard Entsuah, Merck Research Laboratories; Justine Shults, University of Pennsylvania	
10:50 AM	Resampling-Based Measures for Understanding the Nature of Treatment Effects of Multiple Endpoints in Clinical Trials — ■ Mushfiqu M. Rashid, U.S. Food and Drug Administration; Mohammad F. Huque, U.S. Food and Drug Administration	
11:05 AM	Type I Error Rate Adjustment for Superiority Test Conditional on Establishment of Noninferiority in Clinical Trials — ■ Jiacheng Yuan, Medtronic CardioVascular; Tiejun Tong, University of Colorado, Boulder	
11:20 AM	Power and Type I Error Comparisons for Seven Multiplicity Adjustment Methods — ■ Jin Xu, Merck & Co., Inc.; Li David, Merck & Co., Inc.; Kenneth Liu, Merck & Co., Inc.; Ivan S.F. Chan, Merck Research Laboratories; Jie Chen, Merck & Co., Inc.	
11:35 AM	Estimation After Step-Down Tests in the Dose-Finding Studies — ■ Yi-Hsuan Tu, National Cheng Kung University; Ying Kuen Cheung, Columbia University	
11:50 AM	Reverse Fixed-Sequence Procedures in Clinical Trials — ■ Alex Dmitrienko, Eli Lilly and Company; Suktae Choi, Eli Lilly and Company; Ajit C. Tamhane, Northwestern University; Don Johns, Eli Lilly and Company	
12:05 PM	Partitioning K Treatments According to Multivariate Equivalence with Respect to a Standard: The Common Covariance Case — ■ Weixing Cai, Syracuse University; Pinyuen Chen, Syracuse University	
Add To My Program		
277	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-101
Inference Using Simulation - Contributed - Papers		
Section on Statistical Computing, Section on Nonparametric Statistics		
<i>Chair(s): Trevor Park, University of Florida</i>		
10:35 AM	Saddlepoint-Based Bootstrap Inference for Quadratic Estimating Equations — ■ Robert Paige, Texas Tech University	
10:50 AM	Applying Resampling To Analyze the Sensitivity of a Hypothesis Test to Confounding — ■ William M. Goodman, University of Ontario Institute of Technology	
11:05 AM	On Markov Chains with Periodic Transition Probabilities — ■ Rajeeva L. Karandikar, Cranes Software International Limited	

11:20 AM	Bootstrap Bandwidth Selection for Estimating a Conditional Probability — ■Sundar Subramanian, New Jersey Institute of Technology
11:35 AM	Using Bootstrap To Construct Adjusted Likelihood-Based Confidence Intervals — ■Esa I. Uusipaikka, University of Turku; Kaisu Ikonen, University of Turku; Anna Wiksten, University of Turku
11:50 AM	Relative Entropy Measures of Asymmetry with Applications — ■Bhaskar Bhattacharya, Southern Illinois University Carbondale
12:05 PM	Simulation Studies for Mixture Transition Distribution Model in High-Order Markov Chains — Din Chen, South Dakota State University; ■Y. L. Lio, University of South Dakota

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278	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-F Lobby
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Invited Poster Presentations: Clinical Trial Designs - Invited - Poster Presentations

Biometrics Section

Organizer(s): Yisheng Li, The University of Texas M.D. Anderson Cancer Center

Chair(s): John Castelloe, SAS Institute Inc.

Poster Topic: Clinical Trial Designs:

32:	Sequential Continual Reassessment Method for Two-Dimensional Dose Finding — ■Ying Yuan, The University of Texas M.D. Anderson Cancer Center; Guosheng Yin, The University of Texas M.D. Anderson Cancer Center
33:	Optimal Adaptive Randomized Designs for Clinical Trials — ■Yi Cheng, Indiana University South Bend
34:	Three-Dose Cohort Designs in Cancer Phase I Trials — ■Bo Huang, Pfizer, Inc.
35:	Dose-Finding in Phase I Clinical Trials Based on Toxicity Probability Intervals — ■Yuan Ji, The University of Texas M.D. Anderson Cancer Center
36:	Identifying Optimal Cumulative Treatment Regimes in Early-Phase Clinical Trials — ■Thomas M. Braun, The University of Michigan

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279	Tue, 8/5/08, 10:30 AM - 12:20 PM	CC-F Lobby
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Contributed Poster Presentations - Contributed - Poster Presentations

Biometrics Section, Biopharmaceutical Section, Business and Economics Statistics Section, ENAR, IMS, Section on Bayesian Statistical Science, Section on Health Policy Statistics, Section on Statistics and Marketing, Section on Statistics in Epidemiology

Organizer(s): John Castelloe, SAS Institute Inc.

Chair(s): John Castelloe, SAS Institute Inc.

Poster Topic: Business, financial, and marketing statistics:

- | | |
|-----|--|
| 37: | A Longitudinal Study of Nigerian Stock Prices — ■ Hamadu Dallah, University of Lagos; Ismaila A. Adeleke, University of Lagos |
| 38: | The Transformed GARCH Model for the Asymmetric Volatility — In-Kwon Yeo, Sookmyung Women's University; ■ Juyeon Park, Sookmyung Women's University |

Poster Topic: Clinical trials, drug discovery:

- | | |
|-----|--|
| 39: | Statistics for Comparing Two Treatments with Placebo, with Selection of Better Treatment — ■ Xianhuang Zhou, Bristol-Myers Squibb Company |
| 40: | Exploring the Benefits of Adaptive Sequential Designs in Time-to-Event Endpoint Settings — ■ Sarah Emerson, Stanford University; Scott S. Emerson, University of Washington; Kyle Rudser, University of Washington |
| 41: | Multiple Imputation of Ordinal and Count Outcomes in a Multiple Sclerosis Clinical Trial Using Data at Dropout — Peter B. Imrey, The Cleveland Clinic and Case Western Reserve University; ■ John Barnard, The Cleveland Clinic; Matthew Karafa, The Cleveland Clinic; The Avonex Combination Trial (ACT) Investigators, The Cleveland Clinic Foundation |
| 42: | A Dunnett-Bonferroni--Based Parallel Gatekeeping Procedure for Dose-Response Clinical Trials with Multiple Endpoints — ■ Isaac Nuamah, Johnson & Johnson Pharmaceutical R&D, LLC; Haiyan Xu, Johnson & Johnson Pharmaceutical R&D, LLC; Jingyi Liu, University of California, Davis; Pilar Lim, Johnson & Johnson Pharmaceutical R&D, LLC |
| 43: | Parameterization of CRM Model — ■ Jianfen Shu, University of Virginia |
| 44: | Design Strategies for a Proof-of-Concept Study with Futility Analysis and Go/No-Go Criteria — ■ Yong-Cheng Wang, Biogen Idec, Inc. |
| 45: | A Response Adaptive Design with Pharmacogenomic Biomarkers for Targeted Therapies — ■ Jens C. Eickhoff, University of Wisconsin-Madison; KyungMann Kim, University of Wisconsin-Madison; Jill M. Kolesar, University of Wisconsin-Madison; Glenn Liu, University of Wisconsin-Madison; Wei Huang, University of Wisconsin-Madison; Jason R. Gee, William S. Middleton Memorial Veterans Hospital |
| 46: | A Dose-Finding Design for Combination Therapy That Accounts for Both Efficacy and Safety — ■ Ping Yao, University of Missouri-Columbia; Nancy Flournoy, University of Missouri-Columbia; Valerii V. Fedorov, GlaxoSmithKline |

47:	A Generalized Correlation Coefficient for the General Two-Treatment Crossover Design — ■Yi-Ju Chen, National Chung Cheng University; Vernon Chinchilli, Pennsylvania State College of Medicine
48:	Sample Size and Power Calculations for Comparing Two Means in Zero-Inflated Discrete Distribution with Application to MRI-Based Clinical Trials — ■Sungyoung Auh, National Institute of Neurological Disorders and Stroke; Jonghyeon Kim, The EMMES Corporation; Francesca Bagnato, National Institute of Neurological Disorders and Stroke
49:	Inference for Comparing Two Treatments Using Receiver Operating Characteristic Curve — ■Sibabrata Banerjee, Schering-Plough Research Institute; Sunil Dhar, New Jersey Institute of Technology; Farid Kianifard, Novartis Pharmaceuticals
50:	A Simulation Comparison of Asymptotic Tests for 2×2 Tables of Outcome-Based Adaptive Randomization — ■Xuemin Gu, The University of Texas M.D. Anderson Cancer Center; J. Jack Lee, The University of Texas M.D. Anderson Cancer Center
51:	Comparing the Statistical Performance of Continuous Sequential Monitoring to Group Sequential Methods for Evaluating Post-Marketing Drug Safety: A Simulation Study — ■Shanshan Zhao, University of Washington; Andrea J. Cook, Group Health Center for Health Studies; Jennifer Nelson, Group Health Center for Health Studies

Poster Topic: *Economics, game theory:*

52:	Primary Economic Issues That Affect GDP — Les Yen, University of Phoenix/NVA; ■Rene Wells, University of Phoenix; Eric Cramer, University of Phoenix; Angie Kruse, University of Phoenix
53:	Effects of Alcohol and Drug Use on Human Capital: A Review — Richard Bryant, Missouri University of Science and Technology; ■V. A. Samaranayake, Missouri University of Science and Technology

Poster Topic: *Pharmacokinetics and pharmacodynamics:*

54:	A Comparison of Methods To Determine Bioequivalence of Topical Dermatological Drug Products — ■Ashlyn Hutchinson, Colorado School of Mines; William Navidi, Colorado School of Mines; Annette Bunge, Colorado School of Mines; Berthe N'Dri-Stempfer, Colorado School of Mines
55:	An Estimation Method and the Appropriate Sampling Point of the Half-Life for a One-Compartment Model of a Single Bolus Intravenous Injection by a Single Sampling — ■Takashi Funatogawa, Chugai Pharmaceutical Co. LTD.; Ikuko Funatogawa, Teikyo University School of Medicine; Akifumi Yafune, Clinic Sendagaya

Poster Topic: *Time series/wavelet analysis:*

56:	One Connection of State Space Model and Penalized Spline — ■Bin Zhu, The University of Michigan; Jeremy M.G. Taylor, The University of Michigan; Peter Song, The University of Michigan
57:	Observation-Driven State-Space Model for Categorical Time Series — ■Xiaoa Zhen, The University of Georgia; Ishwar Basawa, The University of Georgia
58:	Clustering Time Series Using Wavelet — ■You Jin Kim, Seoul National University; Bo Ram Kim, Seoul National University; Jung Hyun Lee, Seoul National University; Sinsup Cho, Seoul National University
59:	Linex-Unbiased Filtering of Time Series — Khalil Shafie, University of Northern Colorado; ■Saad Alkahtani, University of Northern Colorado
60:	Time Series Models with Asymmetric Laplace Innovations — ■Alexandre Trindade, Texas Tech University ; Yun Zhu, CitiGroup
61:	Time Series Analysis of the Fatal Accident Reporting System — ■Brian Close, University at Albany; Igor G. Zurbenko, University at Albany
62:	Negative Seasonality and the Reduction of Dips in the Spectrum of a Seasonally Adjusted Time Series — ■Tucker S. McElroy, U.S. Census Bureau

		Add To My Program
	Tue, 8/5/08, 11:00 AM - 12:30 PM	HY-Granite A

JASA Reviews Board Meeting (closed)

JASA, Reviews

Chair(s): Dalene Stangl, Duke University

		Add To My Program
	Tue, 8/5/08, 12:00 PM - 2:00 PM	HY-Agate A

The American Statistician Editor's Lunch (closed)

The American Statistician

Chair(s): Janet Wallace, Texas Tech University, Peter Westfall, Texas Tech University

		Add To My Program
	Tue, 8/5/08, 12:00 PM - 2:00 PM	HY-Mineral Hall A

JASA Joint Editorial Board Lunch (closed)

JASA Editorial Board		
<i>Chair(s): David Banks, Duke University, Joseph Heyse, Merck Research Laboratories</i>		
Add To My Program		
	Tue, 8/5/08, 12:30 PM - 2:00 PM	HY-Granite B
JCGS Management Committee Meeting (closed)		
JCGS Management Committee		
<i>Chair(s): J. Lynn Palmer, The University of Texas M.D. Anderson Cancer Center, Janet Wallace, Texas Tech University</i>		
Add To My Program		
	Tue, 8/5/08, 12:30 PM - 2:00 PM	HY-Mineral Hall D-G
2008 ASA New Fellows Appreciation Luncheon (by invitation only)		
2008 ASA New Fellows		
<i>Chair(s): Roderick J. Little, The University of Michigan</i>		
Add To My Program		
	Tue, 8/5/08, 12:30 PM - 4:30 PM	CC-208
ENAR RAB/RECOM Luncheon Meeting (closed)		
ENAR		
<i>Organizer(s): Kathy Hoskins, ENAR</i>		
Add To My Program		
	Tue, 8/5/08, 12:30 PM - 1:30 PM	CC-101
Abraham Wald Prize in Sequential Analysis Ceremony (Open to All)		
Sequential Analysis Journal Editorial Board		
<i>Organizer(s): Nitish Mukhopadhyay, University of Connecticut</i>		
Add To My Program		
280	Tue, 8/5/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 6

Business and Economics Statistics Section Speaker with Lunch (fee event) - Roundtables - Speaker with Lunch**Business and Economics Statistics Section***Organizer(s): Sastry Pantula, North Carolina State University*

TL08: [Epidemics in a Globalized World: Economic and Financial Lessons from HIV/AIDS](#) — ■ Tapen Sinha, Instituto Tecnológico Autónomo De México

[Add To My Program](#)**281****Tue, 8/5/08, 12:30 PM - 1:50 PM****HY-Capitol Ballroom 4****Section on Bayesian Statistical Science Roundtables with Lunch (fee event) - Roundtables - with Lunch****Section on Bayesian Statistical Science***Organizer(s): Michael Daniels, University of Florida*

TL09: [Salary, Sponsorship, and Strategy: A Case for Statistics in Sports](#) — ■ C. Shane Reese, Brigham Young University

TL10: [Bayesian Adaptive Trials](#) — ■ Scott M. Berry, Berry Consultants

[Add To My Program](#)**282****Tue, 8/5/08, 12:30 PM - 1:50 PM****HY-Capitol Ballroom 4****Biopharmaceutical Section Roundtables with Lunch (fee event) - Roundtables - with Lunch****Biopharmaceutical Section***Organizer(s): Matilde Sanchez, Arena Pharmaceuticals*

TL11: [Statistical Analysis and Practical Issues of Missing Data in Clinical Pharmacology \(Phase I\) Crossover Studies](#) — ■ Fang Liu, Merck Research Laboratories; Pat Larson, Merck Research Laboratories

TL12: [Statistical Challenges and Opportunities in Oncology Clinical Trials](#) — ■ Yi He, sanofi-aventis; Zhenming Shun, sanofi-aventis; Martin Roessner, sanofi-aventis

TL13: [Statistical Issues in Thorough QT Studies](#) — ■ Jennifer E. Hamer-Maansson, AstraZeneca Pharmaceuticals

TL14: [Successful Partnership Between CRO and Sponsor Statisticians](#) — ■ Nfii Ndikintum, Paragon Biomedical, Inc.

TL15: [Stratified Trials with Binary Endpoints: Saving \\$\\$\\$ with More Efficient Analyses](#) — ■ Devan V. Mehrotra, Merck Research Laboratories

TL16:	Use of Biomarkers and Models in Exploratory Clinical Development — ■ Alan Y. Chiang, Eli Lilly and Company	
		Add To My Program
283	Tue, 8/5/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Health Policy Statistics Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Health Policy Statistics		
<i>Organizer(s): Mary Beth Landrum, Harvard Medical School</i>		
TL17:	Multiple Imputation Software for Modeling and Analysis: Reconciling the Ideal and Practical — ■ Madhumita (Bonnie) Ghosh-Dastidar, RAND Corporation	
		Add To My Program
284	Tue, 8/5/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Quality and Productivity Roundtables with Lunch (fee event) - Roundtables - with Lunch		
Section on Quality and Productivity		
<i>Organizer(s): Donald W. McCormack, Jr., SAS Institute Inc.</i>		
TL18:	The Many Forms of Reliability Data — ■ David C. Trindade, Sun Microsystems, Inc.	
TL19:	Optimal Design of Split-Split-Plot and Strip-Plot Experiments — ■ Peter Goos, Universiteit Antwerpen; Bradley Jones, SAS Institute Inc.	
		Add To My Program
285	Tue, 8/5/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Statistical Consulting Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Statistical Consulting		
<i>Organizer(s): Stephan Ogenstad, Statogen Consulting LLC</i>		
TL20:	Teaching Using Real Consulting — ■ Tim Hesterberg, Google, Inc.	
		Add To My Program

286	Tue, 8/5/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 5
Section on Statistical Education Roundtables with Lunch (fee event) - Roundtables - with Lunch		
Section on Statistical Education		
<i>Organizer(s): Peter Westfall, Texas Tech University</i>		
TL21:	Teaching Confounding and Multivariate Thinking in Introductory Statistics — ■Milo Schield, W.M. Keck Statistical Literacy Project	
TL22:	How Is Your Biometry Course Going? — ■Dexter C. Whittinghill, Rowan University	
TL23:	Myths and Fallacies in Elementary Statistics — ■Bernard Harris, University of Wisconsin-Madison	
		Add To My Program
287	Tue, 8/5/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Statistical Graphics Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Statistical Graphics, Section on Nonparametric Statistics		
<i>Organizer(s): Steven N. MacEachern, The Ohio State University</i>		
TL24:	Exploratory Data Analysis (EDA): Graphical Methods, Software, Applications, and Recent Developments — ■Juergen Symanzik, Utah State University	
		Add To My Program
288	Tue, 8/5/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 5
Section on Statistics in Epidemiology Roundtables with Lunch (fee event) - Roundtables - with Lunch		
Section on Statistics in Epidemiology		
<i>Organizer(s): Amy H. Herring, The University of North Carolina at Chapel Hill</i>		
TL25:	Statistical Methods in Breast Cancer Research — ■Philip S. Rosenberg, National Cancer Institute	
TL26:	Nonparametric Methods in Genetic Epidemiology: Multilocus Genetic Predisposition, Environmental Risk Interaction, and Complex Phenotypes — ■Knut M. Wittkowski, The Rockefeller University	

		Add To My Program
289	Tue, 8/5/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Survey Research Methods Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Survey Research Methods		
<i>Organizer(s): Elaine Zanutto, National Analysts Worldwide Research and Consulting</i>		
TL27:	Methods and Issues in Trimming Extreme Weights in Sample Surveys — ■ Frank Potter, Mathematica Policy Research, Inc.	
		Add To My Program
CE_27C	Tue, 8/5/08, 1:00 PM - 5:00 PM	CC-210-212
Meta-Analysis: Statistical Methods for Combining the Results of Independent Studies - Continuing Education - Course		
ASA		
<i>Instructor(s): Ingram Olkin, Stanford University</i>		
<p>Meta-analysis enables researchers to synthesize the results of a number of independent studies designed to determine the effect of an experimental protocol, such as an intervention, so the combined weight of evidence can be considered and applied. Increasingly, meta-analysis is being used in the health sciences, education, and economics to augment traditional methods of narrative research by systematically aggregating and quantifying research literature. The information explosion in almost every field coupled with the movement toward evidence-based decisionmaking and cost-effective analysis has served as a catalyst for the development of procedures to synthesize the results of independent studies. In this course, I will provide a historical perspective of meta-analysis and discuss some of its issues. The statistical methodology will include discussions of nonparametric and parametric models, effect sizes for proportions, fixed versus random effects, regression, and ANOVA models. New material on multivariate models also will be presented.</p>		
		Add To My Program
CE_28C	Tue, 8/5/08, 1:00 PM - 5:00 PM	CC-204
Analysis of Censored Health Outcomes Data: Developments for the Last 10 Years - Continuing Education - Course		
ASA, Biopharmaceutical Section, Section on Health Policy Statistics		
<i>Instructor(s): Hongwei Zhao, University of Rochester, Heejung Bang, Weill Medical College of Cornell University</i>		

Medical cost and quality-adjusted lifetime are common health outcomes data from clinical trials and observational studies. Although these data look different, they share many statistical properties and can be understood in a unified framework. Just like standard survival data, censoring is an important issue in these data. Despite the analogy, censoring mechanism is informative, different from the traditional paradigm. It has been a decade since it was shown that the use of most standard statistical techniques (e.g., sample mean, linear regression, and Kaplan-Meier estimator) can be invalid. However, we often find that even experienced researchers still use traditional methods for the analysis of health outcome data in practice. In this course, we will review valid methods for statistical estimation and inference that have been developed in last 10 years. Unfortunately, not all are easy or user-friendly, and no commercial software is available so far. Therefore, we will suggest methods as practical solutions for practitioners. We also will present the analytic relationships among well-known medical cost estimators recently identified. Extended applications to customer lifetime value and cost-effectiveness analysis will be discussed. Course prerequisite is basic knowledge of survival analysis.

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Tue, 8/5/08, 1:00 PM - 2:30 PM

HY-Agate B

Current Index to Statistics Management Committee (closed)

Current Index to Statistics

Chair(s): James E. Gentle, George Mason University

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Tue, 8/5/08, 1:30 PM - 3:00 PM

HY-Granite C

Council of Chapters Traveling Course Committee Meeting

Council of Chapters

Chair(s): Glenn White, Ernst & Young LLP

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Tue, 8/5/08, 2:00 PM - 3:30 PM

HY-Capitol Ballroom 1-2

Hawkes Learning Systems

Hawkes Learning Systems

Organizer(s): Brittany Walker, Hawkes Learning Systems

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	Tue, 8/5/08, 2:00 PM - 4:00 PM	HY-Agate C
ASA Finance Committee Meeting (closed)		
ASA Finance Committee		
<i>Chair(s): Sastry Pantula, North Carolina State University</i>		
		Add To My Program
	Tue, 8/5/08, 2:00 PM - 3:00 PM	CC-Four Seasons Ballroom
ASA Presidential Address and Awards Session Rehearsal (closed)		
		Add To My Program
203654	Tue, 8/5/08, 2:00 PM - 6:00 PM	CC--South Shuttle Bus Drop Off/14th & California
TR08 - Mile High Historical Tour		
Start at the Auraria College Campus and the 9th Street Historic Park before heading to the Brown Palace Hotel. Next, stop at "unsinkable" Molly Brown's house for a tour, and then on to the Byers-Evans house, home to the family of William Gray Evans. Advance Tickets: \$48 per person; On-site Tickets: \$53 per person		
		Add To My Program
290	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-703
Technometrics Invited Session - Invited - Papers		
Technometrics, Section on Physical and Engineering Sciences		
<i>Organizer(s): David M. Steinberg, Tel Aviv University</i>		
<i>Chair(s): David M. Steinberg, Tel Aviv University</i>		
2:05 PM	Technometrics Vol. 1, No. 1, 1959 — ■J. Stuart Hunter, Princeton University	
2:30 PM	Quality Assessment for Short Oligonucleotide Microarray Data — ■Terence P. Speed, University of California, Berkeley; Julia Brettschneider, University of Warwick; Francois Collin, University of California, Berkeley; Benjamin Bolstad, University of California, Berkeley	
3:10 PM	Disc: Darlene Goldstein, Ecole Polytechnique Federale De Lausanne	
3:20 PM	Disc: Lakshmi Muthuswamy, Cold Spring Harbor Laboratory	
3:30 PM	Disc: Wendell D. Jones, Expression Analysis Inc.	
3:40 PM	Floor Discussion	

		Add To My Program
291 ●	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-603
Causal Inference in Vaccine Studies - Invited - Papers		
Section on Statistics in Epidemiology , Biopharmaceutical Section, WNAR, Section on Health Policy Statistics, Biometrics Section		
<i>Organizer(s): Dylan Small, University of Pennsylvania</i>		
<i>Chair(s): Dylan Small, University of Pennsylvania</i>		
2:05 PM	Causal Inference in the Anthrax Vaccine Trials — ■ Donald B. Rubin, Harvard University	
2:30 PM	Toward Causal Inference with Interference — ■ Michael Hudgens, The University of North Carolina at Chapel Hill; M. Elizabeth Halloran, University of Washington	
2:55 PM	Vaccine Efficacy Among the Doomed When Monotonicity Is Unreasonable — ■ Bryan E. Shepherd, Vanderbilt University	
3:20 PM	Disc: M. Elizabeth Halloran, University of Washington	
3:40 PM	Floor Discussion	
		Add To My Program
292 ●	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-708
Nonignorable Missingness and Incomplete Auxiliary Data - Invited - Papers		
Section on Survey Research Methods , Section on Government Statistics, Social Statistics Section		
<i>Organizer(s): Michael Sverchkov, BAE Systems/Bureau of Labor Statistics</i>		
<i>Chair(s): J. N. K. Rao, Carleton University</i>		
2:05 PM	Hierarchical Bayes Estimation for Bivariate Binary Data with Applications to Small-Area Estimation — ■ Malay Ghosh, University of Florida	
2:30 PM	Can Calibration Be Used To Adjust for 'Nonignorable' Nonresponse? — ■ Phillip S. Kott, National Agricultural Statistics Service; Ted Chang, University of Virginia	
2:55 PM	NMAR Nonresponse with Limited Covariate Information — ■ Danny Pfeffermann, Hebrew University & University of Southampton; Anna Sikov, The Hebrew University of Jerusalem; Michael Sverchkov, BAE Systems/Bureau of Labor Statistics	
3:20 PM	Disc: John L. Eltinge, Bureau of Labor Statistics	

3:40 PM	Floor Discussion	
		Add To My Program
293  	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-102
Communicating Technical Material with Nonstatisticians - Invited - Papers		
Section on Quality and Productivity , Section on Physical and Engineering Sciences, Section on Statistical Consulting		
<i>Organizer(s): James D. Williams, GE Global Research</i>		
<i>Chair(s): James D. Williams, GE Global Research</i>		
2:05 PM	Extreme Makeover: Data Edition - Tables —  Julia C. O'Neill, Merck & Co., Inc.	
2:30 PM	Perspectives on Communicating with Nonstatisticians —  Martha Gardner, General Electric Global Research	
2:55 PM	Extreme Makeover: Data Edition - Graphics —  Lori Pfahler, Merck & Co., Inc.	
3:20 PM	Disc: Mark Bailey, SAS Institute Inc.	
3:40 PM	Floor Discussion	
		Add To My Program
294  	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-103
Modeling Long-Range Dependence and Stochastic Volatility: From Theory to Applications in Business and Economics - Invited - Papers		
Business and Economics Statistics Section		
<i>Organizer(s): Yulia R. Gel, University of Waterloo</i>		
<i>Chair(s): Yulia R. Gel, University of Waterloo</i>		
2:05 PM	An Empirical Comparison of Some Parameter Estimation Methods in Stochastic Volatility Models —  Bovas Abraham, University of Waterloo; Ji Eun Choi, University of Waterloo	
2:30 PM	A Bayesian Approach to Estimating the Long Memory Parameter —  Scott Holan, University of Missouri-Columbia; Tucker S. McElroy, U.S. Census Bureau; Sounak Chakraborty, University of Missouri-Columbia	
2:55 PM	Inference for Long Memory Time Series with Application to Weather Derivatives Pricing —  Nalini Ravishanker, University of Connecticut; Jeffrey Pai, University of Manitoba	

3:20 PM	Independent Component Analysis for Financial Time Series — ■ Daniel Peña, Universidad Carlos III de Madrid
3:45 PM	Floor Discussion
Add To My Program	
295 ● ▲	Tue, 8/5/08, 2:00 PM - 3:50 PM CC-605
Analysis of Medical Cost Data: Collaboration Between Health Economists and Statisticians - Invited - Papers	
Section on Health Policy Statistics, WNAR	
<i>Organizer(s): Lei Liu, University of Virginia</i>	
<i>Chair(s): Tina Shih, The University of Texas M.D. Anderson Cancer Center</i>	
2:05 PM	Joint Modeling Longitudinal Semi-Continuous Data and Survival, with Application to Longitudinal Medical Cost Data — ■ Lei Liu, University of Virginia
2:30 PM	The Anatomy of Health Care Cost Distributions — ■ John Mullahy, University of Wisconsin-Madison
2:55 PM	Estimating Health Care Treatment Costs with Censoring and End-of-Life — ■ Willard G. Manning, The University of Chicago; Anirban Basu, The University of Chicago
3:20 PM	A New Semiparametric Model for Correlated Semicontinuous Data — ■ Andrew Zhou, University of Washington; Hua Z. Lin, Sichuan University
3:45 PM	Floor Discussion
Add To My Program	
296	Tue, 8/5/08, 2:00 PM - 3:50 PM CC-705
Large Random Matrices, High-Dimensional Inference, and Future SAMSI Programs - Invited - Papers	
Statistical and Applied Mathematical Sciences Institute, Section on Nonparametric Statistics, IMS	
<i>Organizer(s): James Berger, Duke University/SAMSI</i>	
<i>Chair(s): James Berger, Duke University/SAMSI</i>	
2:05 PM	Covariance Estimation in High-Dimensional Graphical Models — ■ Bala Rajaratnam, Stanford University
2:30 PM	Permutation-Invariant Regularization of Large Covariance Matrices — ■ Elizaveta Levina, The University of Michigan

2:55 PM	On the Interplay Between Probability Distributions, Graphs, and Matrices — ■ Nancy Wermuth, Chalmers/Gothenburg University
3:20 PM	Floor Discussion
Add To My Program	
297 ●	Tue, 8/5/08, 2:00 PM - 3:50 PM CC-107
Methodological Advances in Astronomy and Astrophysics - Invited - Papers	
Section on Bayesian Statistical Science	
<i>Organizer(s): David A. van Dyk, University of California, Irvine</i>	
<i>Chair(s): Yaming Yu, University of California, Irvine</i>	
2:05 PM	Empirical Comparisons of Computer Models for Stellar Evolution — ■ David A. van Dyk, University of California, Irvine; Steven DeGennar, The University of Texas at Austin; Ted von Hippel, The University of Texas at Austin; William Jeffery, University of Vermont; Nathan Stein, The University of Texas at Austin; Elizabeth Jeffery, The University of Texas at Austin
2:35 PM	Multilevel Bayesian Modeling for Astronomical Surveys — ■ Thomas Lored, Cornell University
3:05 PM	Streaming Motion in Dwarf Spheroidal Galaxies — ■ Michael Woodrooffe, The University of Michigan
3:35 PM	Floor Discussion
Add To My Program	
298 ●	Tue, 8/5/08, 2:00 PM - 3:50 PM CC-704
Clustering and Sample-Size Issues for Rank Tests - Invited - Papers	
ENAR, Section on Nonparametric Statistics, SSC, WNAR, IMS, Biometrics Section	
<i>Organizer(s): Bernard Rosner, Channing Laboratory</i>	
<i>Chair(s): Mei-Ling T. Lee, The Ohio State University</i>	
2:05 PM	Two Sample Tests for the Nonparametric Behrens-Fisher Problem with Clustered Data — ■ Denis Larocque, HEC Montreal; Riina Haataja, Tampere School of Public Health; Jaakko Nevalainen, Tampere School of Public Health; Hannu Oja, Tampere School of Public Health
2:30 PM	A Signed-Rank Test for Clustered Data — ■ Somnath Datta, University of Louisville; Glenn Satten, Centers for Disease Control and Prevention
2:55 PM	Power and Sample Size Estimation for the Wilcoxon Rank Sum and Signed Rank Test — ■ Bernard Rosner, Channing Laboratory; Robert Glynn, Brigham & Women's Hospital

3:20 PM	Disc: Robert Glynn, Brigham & Women's Hospital	
3:40 PM	Floor Discussion	
Add To My Program		
299 	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-111
The Measure of Mollie Orshansky - Invited - Panel		
Memorial , Section on Government Statistics, Section on Survey Research Methods, Social Statistics Section, Scientific and Public Affairs Advisory Committee, Committee on ASA Archives and Historical Materials		
<i>Organizer(s): Juanita Tamayo Lott, U.S. Census Bureau</i>		
<i>Chair(s): Fritz Scheuren, The University of Chicago</i>		
Abstract:	The Measure of Mollie Orshansky	
Panelists:	<ul style="list-style-type: none">  Connie Citro, Committee on National Statistics  Gordon Fisher, U.S. Department of Health and Human Services  John Iceland, University of Maryland, College Park  Juanita Tamayo Lott, U.S. Census Bureau 	
3:45 PM	Floor Discussion	
Add To My Program		
300 	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-706
Approaches to Protecting Privacy and Confidentiality in Data - Topic Contributed - Papers		
Section on Government Statistics , Section on Survey Research Methods		
<i>Organizer(s): Julia Lane, National Science Foundation</i>		
<i>Chair(s): Julia Lane, National Science Foundation</i>		
2:05 PM	Providing Access to Business Microdata: The International Experience —  Stefan Bender, Institute for Employment Research	
2:25 PM	Defining Business Data Needs —  Nicholas Greenia, Internal Revenue Service	
2:45 PM	Providing Remote Access to Business Micro Data: Lessons Learned —  Timothy M. Mulcahy, National Opinion Research Center; Pascal Heus, Open Data Foundation; Chet Bowie, National Opinion Research Center	
3:05 PM	Microdata Access —  Felix Ritchie, The Office for National Statistics, UK	
3:25 PM	Disc: Chet Bowie, National Opinion Research Center	
3:45 PM	Floor Discussion	

		Add To My Program
301  	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-604
Intelligent Brain Statistics - Topic Contributed - Papers		
Biometrics Section		
<i>Organizer(s): Daniel B. Rowe, Medical College of Wisconsin</i>		
<i>Chair(s): Daniel B. Rowe, Medical College of Wisconsin</i>		
2:05 PM	A Genetic Algorithm To Choose Data Preprocessing and Kernel Ridge Regression Parameters for Optimal Prediction with fMRI —  Rajan Patel, Google, Inc.	
2:25 PM	Discrimination of Multichannel Brain Signals: The Slex-Shrinkage Method —  Hernando Ombao, Brown University	
2:45 PM	Statistical Inference for Minimum BD Estimators and Classifiers with Diverging Number of Parameters —  Chunming Zhang, University of Wisconsin-Madison	
3:05 PM	Unified Framework for Modeling Binary Objects and Its Application to Amygdala Shape Analysis —  Moo K. Chung, University of Wisconsin-Madison	
3:25 PM	Logistic Regression with fMRI Time Series Predictors —  Martin Lindquist, Columbia University; Ian W. McKeague, Columbia University	
3:45 PM	Floor Discussion	
		Add To My Program
302  	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-702
Presentation and Interpretation of Safety Data in Clinical Trials - Topic Contributed - Papers		
Biopharmaceutical Section, Biometrics Section, Committee on Applied Statisticians		
<i>Organizer(s): Mani Lakshminarayanan, Merck & Co., Inc.</i>		
<i>Chair(s): Amarjot Kaur, Merck & Co., Inc.</i>		
2:05 PM	Interactive and Exploratory Safety Data Analysis and Review —  Michael O'Connell, Insightful Corporation	
2:25 PM	Detecting Potential Safety Issues in Clinical Trials by Bayesian Screening —  A. Lawrence Gould, Merck Research Laboratories	
2:45 PM	Analysis and Summarization of Longitudinal Clinical Lab Data Toward Detection of Hepatotoxicity —  Jonathan Schilderout, Vanderbilt University	

3:05 PM	Exploring the Individual — ■Matthew Austin, Amgen, Inc
3:25 PM	Disc: Marie-Pierre Malice, Merck & Co., Inc.
3:45 PM	Floor Discussion
Add To My Program	
303 ● ▲	Tue, 8/5/08, 2:00 PM - 3:50 PM CC-104
Theil-Sen Estimates in Modern Regression - Topic Contributed - Papers	
Section on Nonparametric Statistics	
<i>Organizer(s): Hanxiang Peng, University of Mississippi</i>	
<i>Chair(s): Xin Dang, University of Mississippi</i>	
2:05 PM	Review of the Theil-Sen Estimator Plus Results on Estimating Explanatory Power — ■Rand Wilcox, University of Southern California
2:25 PM	Asymptotics of the Theil-Sen Estimator — ■Xueqin Wang, Sun Yat-Sen University
2:45 PM	The Multivariate Spatial U-Quantile and Its Application in Theil-Sen Estimator — ■Weihua Zhou, The University of North Carolina, Charlotte
3:05 PM	The Theil-Sen Estimators in Semiparametric Mixed Models — Xin Dang, University of Mississippi; Xueqin Wang, Zhongshan University; ■Hanxiang Peng, University of Mississippi
3:25 PM	Floor Discussion
Add To My Program	
304	Tue, 8/5/08, 2:00 PM - 3:50 PM CC-110
Statistical Computing with Massive Data - Topic Contributed - Papers	
Section on Statistical Computing , Section on Statisticians in Defense and National Security, Section on Physical and Engineering Sciences	
<i>Organizer(s): John W. Emerson, Yale University</i>	
<i>Chair(s): Martin Schultz, Yale University</i>	
2:05 PM	BigmemoRy: Massive Data, Shared Memory, and Parallel Computing in R — ■John W. Emerson, Yale University; Michael Kane, Yale University
2:25 PM	High-Performance Processing of Large Data Sets via Memory Mapping: A Case Study in R And C++ — ■Daniel Adler, Georg-August University of Göttingen; Jens Oehlschlägel, Research Consultant; Oleg Nenadic, Georg-August University of Göttingen; Walter Zuccini, Georg-August University of Göttingen

2:45 PM	Analysis of Huge Data Sets in S-Plus — ■ Stephen Kaluzny, Insightful Corporation; Michael Sannella, Insightful Corporation
3:05 PM	BigmemoRy: Handling Massive Data in R — ■ Michael Kane, Yale University; John W. Emerson, Yale University
3:25 PM	Disc: Antony Unwin, Augsburg University
3:45 PM	Floor Discussion

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305 ●

Tue, 8/5/08, 2:00 PM - 3:50 PM

CC-709

Innovations in Spatio-Temporal Cluster Detection for Infectious Disease Surveillance - Topic Contributed - Papers

Section on Statisticians in Defense and National Security, Section on Nonparametric Statistics, Section on Statistics and the Environment

Organizer(s): Howard S. Burkom, Johns Hopkins University

Chair(s): Howard S. Burkom, Johns Hopkins University

2:05 PM	Prospective Clustering Analysis of Spatial-Temporal Data — ■ Daniel Zeng, The University of Arizona
2:25 PM	A Nonparametric Scan Statistic for Multivariate Spatial Biosurveillance — ■ Daniel B. Neill, Carnegie Mellon University; Jeff Lingwall, Carnegie Mellon University
2:45 PM	Discrimination and Thresholding in Evaluation of Disease Cluster Detection Algorithms — ■ Linda Moniz, Johns Hopkins University; Howard S. Burkom, Johns Hopkins University; Jian Xing, Centers for Disease Control and Prevention
3:05 PM	Using the Repeated Two-Sample Rank Procedure for Detecting Anomalies in Space and Time — ■ Ronald D. Fricker, Jr., Naval Postgraduate School
3:25 PM	EWMA Smoothing and Bayesian Spatial Modeling for Health Surveillance — ■ Huafeng Zhou, Merck & Co., Inc.; Andrew B. Lawson, University of South Carolina
3:45 PM	Floor Discussion

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306 ●

Tue, 8/5/08, 2:00 PM - 3:50 PM

CC-113

Analytical Customer Relationship Management - Topic Contributed - Papers

Section on Statistics and Marketing

Organizer(s): Dirk Van den Poel, Ghent University

<i>Chair(s): Dirk Van den Poel, Ghent University</i>		
2:05 PM	Random Forests for Internet Recommendations — Michiel van Wezel, Erasmus University; Erik Miedema, Erasmus University; ■Rob Potharst, Erasmus University	
2:25 PM	Modeling Customer Purchases and Lifetime Value in a Noncontractual Setting with Markov Models — ■Edward C. Malthouse, Northwestern University; Shyam Gopinath, Northwestern University; Robert Blattberg, Northwestern University	
2:45 PM	Random Forests for Multiclass Classification: Random Multinomial Logit Applied to an ACRM Problem — ■Anita Prinzie, The University of Manchester; Dirk Van den Poel, Ghent University	
3:05 PM	Risk Management in Customer Relationship Management of Bank — ■Katsutoshi Yada, Kansai University; Takashi Washio, Osaka University; Hisao Nagaoka, Kansai University; Yasuharu Ukai, Kansai University	
3:25 PM	Data Mining in Hospital Management — ■Shusaku Tsumoto, Shimane University; Shoji Hirano, Shimane University; Hidenao Abe, Shimane University	
3:45 PM	Floor Discussion	
		Add To My Program
307	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-712
Studies of Weather and Climate - Topic Contributed - Papers		
Section on Statistics and the Environment		
<i>Organizer(s): Stephan Sain, National Center for Atmospheric Research</i>		
<i>Chair(s): Philip Dixon, Iowa State University</i>		
2:05 PM	A Bayesian Reconstruction of Holocene Temperature Variation in Northern Fennoscandia — ■Lasse Holmström, University of Oulu; Panu Erasto, National Public Health Institute; Jan Weckstrom, University of Helsinki; Marjut Nyman, University of Helsinki; Atte Korhola, University of Helsinki	
2:25 PM	Latin Hypercube Sampling To Select Model Parameters for Ensemble Weather Prediction — ■Matthew Pocerlich, National Center for Atmospheric Research; Joshua Hacker, National Center for Atmospheric Research	
2:45 PM	Estimating the Global Distribution of Severe Thunderstorms and Tornadoes — ■Harold E. Brooks, Hurricane Research Division	
3:05 PM	Spatial Hierarchical Modeling of Weather Extremes from a Regional Climate Model — ■Dan Cooley, Colorado State University; Stephan Sain, National Center for Atmospheric Research	

3:25 PM	K-Nearest Neighbor as Tool for Downscaling Information from Climate Models — Matthew Pocernich, National Center for Atmospheric Research; ■David Yates, National Center for Atmospheric Research	
3:45 PM	Floor Discussion	
		Add To My Program
308 ●	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-707
Student Paper Competition: Bayesian Methods in Inverse Problems, Imaging, and Engineering - Topic Contributed - Papers		
Section on Bayesian Statistical Science		
<i>Organizer(s): David A. van Dyk, University of California, Irvine</i>		
<i>Chair(s): Ming-Hui Chen, University of Connecticut</i>		
2:05 PM	Detecting Unexpected Residual Spectral Structure in X-Ray Astronomy — ■Jason Kramer, University of California, Irvine; David A. van Dyk, University of California, Irvine	
2:25 PM	Regularized Posteriors in Linear Ill-Posed Inverse Problems — ■Anna Simoni, Toulouse School of Economics (GREMAQ); Jean-Pierre Florens, Toulouse School of Economics (GREMAQ - IDEI)	
2:45 PM	A Bayesian Image Analysis of Change in Tumor/Brain Contrast Uptake Induced by Radiation — ■Xiaoxi Zhang, Pfizer, Inc.; Timothy D. Johnson, The University of Michigan; Roderick J. Little, The University of Michigan; Yue Cao, The University of Michigan	
3:05 PM	Analyzing Space-Time Sensor Network Data Under Suppression and Failure in Transmission — ■Gavino Puggioni, Duke University; Alan Gelfand, Duke University	
3:25 PM	Floor Discussion	
		Add To My Program
309	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-109
NSF Programs Supporting Statistics Education and Strategies for Becoming a Successful Investigator - Topic Contributed - Panel		
Section on Statistical Education, Social Statistics Section		
<i>Organizer(s): Ginger Holmes Rowell, National Science Foundation</i>		
<i>Chair(s): Andre Lubecke, Lander University</i>		
Abstract:	NSF Programs Supporting Statistics Education and Strategies for Becoming a Successful Investigator	

Panelists:	<ul style="list-style-type: none"> ■ Ginger Holmes Rowell, National Science Foundation ■ Dennis K. Pearl, The Ohio State University ■ Joan Garfield, The University of Minnesota 	
3:35 PM	Floor Discussion	
		Add To My Program
310	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-101
Time Series Topics - Contributed - Papers		
Business and Economics Statistics Section		
<i>Chair(s): Gary Simon, New York University</i>		
2:05 PM	Bartlett-Type Corrections for Score Test Statistics on Gaussian ARMA Models — ■ Bernardo M. Lagos, University of Concepción; Pedro A. Morettin, Institute of Marine Science, University of São Paulo	
2:20 PM	Models for Continuous Dynamical Processes with Bounded Support — ■ Amanda R. Cangelosi, Utah State University; Mevin B. Hooten, Utah State University	
2:35 PM	A Multiscale Variance Stabilization for Binomial Sequence Proportion Estimation — ■ Matthew A. Nunes, University of Bristol	
2:50 PM	The ARIMA (0,1,2)(0,1,1) 32 Model and Confidence Intervals — ■ Sujata Mukhopadhyay, NIL	
3:05 PM	Simple Tests for Short Memory in ARFIRMA Models — ■ Timothy Hughes, Boise State University	
3:20 PM	Test of Normality of a Long-Memory Sequence Using the Empirical Moment Generating Function — ■ Sucharita Ghosh, Swiss Federal Research Institute WSL	
3:35 PM	Floor Discussion	
		Add To My Program
311  	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-701
Statistical Methods for Biomedical Research - Contributed - Papers		
WNAR, Section on Statistical Graphics, Section on Statistics in Epidemiology, Biometrics Section		
<i>Chair(s): Kefei Zhou, Amgen, Inc</i>		
2:05 PM	Weighted Area Under the Receiver Operating Characteristic Curve and Its Application to Gene Selection — ■ Jialiang Li, National University of Singapore; Jason P. Fine, University of Wisconsin-Madison	

2:20 PM	A Bayesian Method for Cross-Trial Inference in the Noninferiority Setting — ■Siobhan Everson-Stewart, University of Washington; Scott S. Emerson, University of Washington
2:35 PM	A Varying Coefficient Method for Analyzing Longitudinal Data with Nonignorable Dropout — ■Jeri E.F. Harwood, University of Colorado Denver; Samantha MaWhinney, Health Sciences Center University of Colorado Denver ; Diane Fairclough, University of Colorado Denver
2:50 PM	Estimates of Information Growth Accommodating Model Misspecification — ■Abigail Shoben, University of Washington; Kyle Rudser, University of Washington; Scott S. Emerson, University of Washington
3:05 PM	Dynamic Transitional Modeling Through Bayesian Variable Selection in Disease State Prediction — ■David Engler, Brigham Young University; Brian Healy, MGH Biostatistics Center
3:20 PM	Using Nonlinear Mixed Models To Analyze Characteristics of Discounting Behavior — ■Susan K. Mikulich-Gilbertson, University of Colorado Denver; Thomas J. Crowley, University of Colorado Denver; Laetitia Thompson, University of Colorado Denver
3:35 PM	Exploratory Graphics for Functional Actigraphy Data — ■Juergen Symanzik, Utah State University; William Shannon, Washington University School of Medicine

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312 ●

Tue, 8/5/08, 2:00 PM - 3:50 PM

CC-711

Bayesian Methods for the Social Sciences - Contributed - Papers

Social Statistics Section, Section on Bayesian Statistical Science, Section on Government Statistics

Chair(s): Qixuan Chen, The University of Michigan

2:05 PM	Hierarchical Nonlinear Profile Analysis of Dichotomous Item Responses — ■Steven A. Culpepper, Metropolitan State College of Denver
2:20 PM	Determining the Number of Classes in Growth Mixture Modeling: Covariate, Data Generation Scheme, and Class Specificity — ■Libo Li, University of California, Los Angeles; Yih-ing Hser, University of California, Los Angeles
2:25 PM	Applying Bayesian Networks to the Examination of Student Retention and Graduation — ■Xiaohong Li, Sam Houston State University; Melinda M. Holt, Sam Houston State University
2:50 PM	Predicting Electoral Vote Totals for the Presidential Election — ■Christopher J. Rigdon, Arizona State University; Steven Rigdon, Southern Illinois University Edwardsville; Edward Sewell, Southern Illinois University Edwardsville; Sheldon Jacobsen, University of Illinois at Urbana-Champaign

3:05 PM	Election Prediction Using the Kalman Filter — ■ Steven Rigdon, Southern Illinois University Edwardsville; Michael Siekerka, Southern Illinois University Edwardsville; Christopher J. Rigdon, Arizona State University
3:20 PM	Spatial Empirical Bayes: Borrowing Strength Through Spatial Dependence — ■ Natalya Verbitsky, Mathematica Policy Research, Inc.; Stephen W. Raudenbush, The University of Chicago
3:35 PM	Rating Crop Insurance Contracts with Skewed Distributions: A Bayesian Approach — ■ Vitor Ozaki, University of São Paulo; Ralph Silva, Campinas State University

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313 ●	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-607
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Improving Survey Quality: Mode Effects, Coverage, and Forms - Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section

Chair(s): John W. Rogers, Westat, Inc.

2:05 PM	Examining Mode Differences in the Health Information National Trends Survey — ■ Jeffrey Kerwin, Westat, Inc.; David Cantor, Westat, Inc.
2:20 PM	An Analysis of Mode Effects in Three Mixed-Mode Surveys of Veteran and Military Populations — ■ Boris Rachev, ICF International; Michael Yang, ICF International; Diana Davis, ICF International; Ronald Szoc, ICF International
2:35 PM	Using Multiple Data Sources To Identify Types and Sources of Coverage Errors on an American Indian Reservation — ■ Laurie Schwede, U.S. Census Bureau
2:50 PM	Using Administrative Records To Improve Within-Household Coverage in the 2008 Census Dress Rehearsal — ■ Timothy L. Kennel, U.S. Census Bureau; Dean Resnick, U.S. Census Bureau
3:05 PM	2007 Census Bilingual Forms Design Test — ■ Kelly Govern, U.S. Census Bureau
3:20 PM	Impact of New Income Questions on Reported Income in the National Survey on Drug Use and Health (NSDUH) — ■ Jeremy Aldworth, RTI International; Dicy Painter, Substance Abuse and Mental Health Services Administration; Tania Robbins, RTI International; David Heller, RTI International
3:35 PM	Calendarization of the Goods and Services Tax Data: Issues and Solutions — ■ Martin Beaulieu, Statistics Canada; Benoit Quenneville, Statistics Canada

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314 ●	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-710
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Inference from Longitudinal Surveys and Double Sampling - Contributed - Papers		
Section on Survey Research Methods, Section on Government Statistics		
<i>Chair(s): Wendy Rotz, Ernst & Young LLP</i>		
2:05 PM	Efficiency Comparison for Constrained Generalized Least Squares Estimators in a Panel Survey — ■ Jason C. Legg, Iowa State University; Cindy Yu, Iowa State University	
2:20 PM	Matching Surveys in Longitudinal Studies — ■ Cynthia B. Augustine, RTI International ; Kristine L. Rae Olmsted, RTI International; Scott Ginder, RTI International	
2:35 PM	Exploration of the Use of Empirical Bayes Procedures for Estimating Changes in Occupancy Rate and Persons per Household — ■ Lynn Weidman, U.S. Census Bureau; Don Malec, U.S. Census Bureau	
2:50 PM	Using the SIMEX Method To Estimate Temporal Change for a High-Scoring Group — ■ Andrea R. Piesse, Westat, Inc.; Randy Sitter, Simon Fraser University; X. C. Feng, Simon Fraser University	
3:05 PM	Efficient Calibration for Variants of Double Sampling — ■ Takis Merkouris, Athens University of Economics and Business	
3:20 PM	Analysis of an Outcome-Dependent Enriched Sample Using Semiparametric Likelihood Method — ■ Qing Kang, North Dakota State University; Christopher I. Vahl, North Dakota State University	
3:35 PM	New Regression-Type Estimators in Multiphase Sampling — ■ Mariyam Hafeez, University of the Punjab; Muhammad Q. Shahbaz, COMSATS Institute of Information Technology	
		Add To My Program
315 ●	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-602
Infectious Disease Epidemiology - Contributed - Papers		
Section on Statistics in Epidemiology, Biometrics Section		
<i>Chair(s): Elizabeth R. Zell, Centers for Disease Control and Prevention</i>		
2:05 PM	Estimation of the Basic Reproduction Number for Infectious Diseases — ■ Shenghai Zhang, Public Health Agency of Canada; Ping Yan, Public Health Agency of Canada	
2:20 PM	Confidence Intervals for Estimates of Excess Mortality — ■ Al Ozonoff, Boston University School of Public Health; Xiaopeng Miao, Boston University School of Public Health; Po-Yung Cheng, Centers for Disease Control and Prevention; William W. Thompson, Centers for Disease Control and Prevention	

2:35 PM	Comparison of Methods for Estimating Influenza-Associated Deaths from the 1972/1973 Through 2003/2004 Seasons — ■Hong Zhou, Centers for Disease Control and Prevention ; William W. Thompson, Centers for Disease Control and Prevention; Po-Yung Cheng, Centers for Disease Control and Prevention; Eric Weintraub, Centers for Disease Control and Prevention ; Cecile Viboud, National Institutes of Health; Corinne Ringholz, National Institutes of Health; Joe Bresee, Centers for Disease Control and Prevention; David Shay, Centers for Disease Control and Prevention
2:50 PM	Comparison of Seasonal Regression Models for Estimating Influenza-Associated Mortality in the US: A Simulation Study — ■Po-Yung Cheng, Centers for Disease Control and Prevention; William W. Thompson, Centers for Disease Control and Prevention; Cecile Viboud, National Institutes of Health; Corinne Ringholz, National Institutes of Health; Tuyen Do, Centers for Disease Control and Prevention; David K. Dhay, Centers for Disease Control and Prevention
3:05 PM	A Bayesian Method for Inferring Transmission Chains in a Partially Observed Epidemic — ■Jaideep Ray, Sandia National Laboratories; Youssef M. Marzouk, Sandia National Laboratories
3:20 PM	A Discrete-Time Sequential Test for Constant Fatality Rate of an Emerging Epidemic with Applications to Severe Acute Respiratory Syndrome in Hong Kong and Beijing — ■Ying Xu, The University of Hong Kong; S. F. Yip, The University of Hong Kong; K. F. Lam, The University of Hong Kong
3:35 PM	HWR: An Adaptive Anomaly Detection Algorithm — ■Sylvia Halasz, AT&T Labs - Research; Colin Goodall, AT&T Labs - Research; Arnold Lent, AT&T Labs - Research

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Tue, 8/5/08, 2:00 PM - 3:50 PM

CC-105

Teaching Advanced Topics - Contributed - Papers

Section on Statistical Education

Chair(s): Joan Weinstein, Pine Manor College

2:05 PM	The Importance of Making the Distinction Between 'Invalid' and 'Inefficient' Procedures — ■Laurence D. Robinson, Ohio Northern University
2:20 PM	The Negative Hypergeometric Distribution — ■John J. Kinney, Retired
2:35 PM	Confidence Intervals for the Difference Between Two Means — ■Weiwen Miao, Haverford College
2:50 PM	Using Factor Tables To Understand Autoregressive Models — ■Wayne A. Woodward, Southern Methodist University; Henry L. Gray, Southern Methodist University; James R. Haney, Southern Methodist University; Alan C. Elliott, The University of Texas Southwestern Medical Center

3:05 PM	Popcorn Popping Yield: An Investigation — ■Irina A. Kukuyeva, University of California, Los Angeles; Jean Wang, University of California, Los Angeles; Yuliya Yaglovskaya, University of California, Los Angeles
3:20 PM	Using Board Games and Mathematica To Teach the Fundamentals of Finite, Stationary Markov Chains — ■Roger Bilisoly, Central Connecticut State University
3:35 PM	Floor Discussion

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Tue, 8/5/08, 2:00 PM - 3:50 PM

CC-112

Networks - Contributed - Papers

Section on Statistical Computing, Section on Statisticians in Defense and National Security, WNAR

Chair(s): Jamis Perrett, Texas A&M University

2:05 PM	Methods for Time-Dependent Network Analysis — ■Andrew C. Thomas, Harvard University; Joseph Blitzstein, Harvard University
2:20 PM	Collapsibility for Directed Acyclic Graphs — ■Xianchao Xie, Harvard University; Zhi Geng, Peking University
2:35 PM	Combining Covariate Data and Graph Regularization in a Semisupervised Setting — ■Mark Culp, West Virginia University; George Michailidis, The University of Michigan
2:50 PM	Grid Computing — ■Abdullah A. Alnoشان, The George Washington University; Shmuel Rotenstreich, The George Washington University
3:05 PM	Fault Detection in Embedded Networked Sensing — ■Sheela Nair, University of California, Los Angeles; Mark H. Hansen, University of California, Los Angeles
3:20 PM	Relationship Between Prophets and Chapters in the Holy Quran — ■Walid K. Sharabati, George Mason University; Yasmin H. Said, George Mason University; Edward J. Wegman, George Mason University
3:35 PM	Distributions of Patterns and Statistics in Dynamic Conditional Random Fields — ■Donald E.K. Martin, North Carolina State University; John A.D. Aston, Warwick University

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Tue, 8/5/08, 2:00 PM - 3:50 PM

CC-206

General Issues in Highway Safety and Risk Assessment - Contributed - Papers

Section on Risk Analysis

Chair(s): Michael E. Tarter, University of California, Berkeley

2:05 PM	An Investigation of the Potential Effects of Nonresponse on the BTS Omnibus Household Survey — ■Pheny Z. Weidman, Bureau of Transportation Statistics
2:20 PM	Electronic Records of Undesirable Driving Events — ■Oren Musicant, Ben-Gurion University of the Negev; Hillel Bar-Gera, Ben-Gurion University of the Negev ; Edna Schechtman, Ben-Gurion University of the Negev
2:35 PM	Recursive Partition for Early Outbreak Detection — ■Ross S. Sparks, CSIRO Mathematical and Information Sciences; Chris Okugami, CSIRO Mathematical and Information Sciences
2:50 PM	Evaluating the Effects of Commercial Vehicle Information Systems at Preventing Large Truck Crashes — ■Michael Anderson, Battelle
3:05 PM	Endogeneity of an Ordered Explanatory Variable in a Bivariate Model: Accidents and Deductible Choice for Young Drivers — Michel Grun-Rehomme, Université Paris2, ERMES; ■Olga Vasechko, Research Institute of Statistics; Nouredine Benlagha, Université Paris2, ERMES
3:20 PM	Addressing the Complexity of Speed Measurements at Intersections in Determining the Effectiveness of Speed-Reducing Treatments — ■Courtney Bokenkroger, Midwest Research Institute; Karin M. Bauer, Midwest Research Institute
3:35 PM	Floor Discussion

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Tue, 8/5/08, 2:00 PM - 3:50 PM

CC-202

Statistical Applications in Engineering - Contributed - Papers

Section on Physical and Engineering Sciences

Chair(s): Stephanie Pickle, DuPont

2:05 PM	A Cost-Efficient Approach to Wireless Sensor Network Design — ■Natallia V. Katenka, The University of Michigan; Elizaveta Levina, The University of Michigan; George Michailidis, The University of Michigan
2:20 PM	The Conflict of Wave Function Collapse with Special Relativity: A Classical Statistician's View — ■John W. Sawyer, Simbalien
2:35 PM	Service-Level Agreement for the Stochastic Business Processes — ■Genady Y. Grabarnik, IBM T. J. Watson Research Center; Laura Shwartz, IBM T. J. Watson Research Center
2:50 PM	A Detailed Correlation Analysis of Enzymatic Reaction of a Single Protein Based on the Stochastic Network Model — ■Chao Du, Harvard University; Samuel Kou, Harvard University

3:05 PM	Statistical Design and Analysis of Corrosion Experiments — ■Joanne R. Wendelberger, Los Alamos National Laboratory
3:20 PM	Statistical Adjustments to Engineering Models — ■Roshan J. Vengazhiyil, Georgia Institute of Technology; Shreyes N. Melkote, Georgia Institute of Technology
3:35 PM	Disaster Recovery Planning: SLA to Infrastructure Tradeoff — ■Laura Shwartz, IBM T. J. Watson Research Center; Genady Y. Grabarnik, IBM T. J. Watson Research Center

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320 ● ▲	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-106
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General Methodology---Nonparametric and Semiparametric Style! - Contributed - Papers

Section on Nonparametric Statistics, IMS

Chair(s): Jin Wang, Northern Arizona University

2:05 PM	Robust Likelihood Methods Based on the Skew-T and Related Distributions — Adelchi Azzalini, University of Padova; ■Marc G. Genton, University of Geneva
2:20 PM	Tests of Fit for the Beta Binomial Distribution — ■John Best, University of Newcastle, Australia; John Rayner, University of Newcastle, Australia; Olivier Thas, Ghent University
2:35 PM	Application of Deconvolution Method in a Graded Glucose Infusion Study — ■Bing Gao, Merck & Co., Inc.
2:50 PM	Empirical Investigation of Uncertainty Measures for Unbalanced Repeated Measures Models — ■Christine Spinka, University of Missouri-Columbia; Scott Holan, University of Missouri-Columbia
3:05 PM	Assessing Individual Observer Agreement in Studies Involving Replicated Observations — ■Jingjing Gao, Emory University; Michael Haber, Emory University
3:20 PM	On the Superposition of Overlapping Realizations of a Nonhomogeneous Poisson Process — ■Gustavo L. Gilardoni, Universidade de Brasilia; Enrico A. Colosimo, Universidade Federal de Minas Gerais
3:35 PM	Comparing the Efficiency of Automatic Forward Search Estimators with That of Alternative Robust Estimators in Linear Regression Models — ■Francesco Polverini, University of Florence; Bruno Bertaccini, University of Florence

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321	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-108
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Recent Advances in Regression and Linear Modeling - Contributed - Papers		
IMS, Section on Nonparametric Statistics		
<i>Chair(s): Mayetri Gupta, Boston University</i>		
2:05 PM	Recent History Functional Linear Models — ■Kion Kim, The Pennsylvania State University	
2:20 PM	Estimating Expectations in Semiparametric Regression with Missing Responses — ■Ursula Müller-Harknett, Texas A&M University	
2:35 PM	Central Limit Theorems for Weighted Linear Processes and Their Applications — ■Kairat T. Mynbaev, Kazakh-British Technical University	
2:50 PM	Application of Directional Regression of EEG Data — ■Min Kyung Kim, The Pennsylvania State University	
3:05 PM	Regression Level Set Estimation via Tree Warping — ■Gabe Chandler, Connecticut College	
3:20 PM	Floor Discussion	
		Add To My Program
322	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-606
Analysis of Interval-Censored Data - Contributed - Papers		
Biometrics Section, WNAR		
<i>Chair(s): Jeffrey R. Wilson, Arizona State University</i>		
2:05 PM	Nonparametric Comparisons of Waiting Time Distributions in a Markov System Under Current Status Data — ■Ling Lan, University of Louisville; Somnath Datta, University of Louisville	
2:20 PM	Efficient Estimation for Bivariate Current Status Data with Proportional Odds Model — ■Bin Zhang, University of Missouri-Columbia; Xingwei Tong, Beijing Normal University; Jianguo (Tony) Sun, University of Missouri-Columbia	
2:35 PM	A Multiple Imputation Approach to the Analysis of Current Status Data with the Additive Hazards Model — ■Ling Chen, University of Missouri-Columbia; Jianguo (Tony) Sun, University of Missouri-Columbia	
2:50 PM	Inference and Uniqueness for Chain-of-Events Data Subject to Interval Censoring — ■Beth Ann Griffin, RAND Corporation; Stephen Lagakos, Harvard University	
3:05 PM	A New Approach to Test for the Homogeneity of Failure Time Distributions When Data Are Interval-Censored — ■HeeJeong Lim, California State University, Fullerton	

3:20 PM	Modeling Multivariate Current-Status Survival Outcomes with Frailty Model — ■ Ying-Fang Wang, University of California, Davis
3:35 PM	Floor Discussion
Add To My Program	
323	Tue, 8/5/08, 2:00 PM - 3:50 PM CC-608
Statistical Methods for Analysis of Microarray Data - Contributed - Papers	
Biometrics Section, WNAR	
<i>Chair(s): Santosh C. Sutradhar, Pfizer, Inc.</i>	
2:05 PM	Modeling Dependent Gene Expression — ■ Donatello Telesca, The University of Texas M.D. Anderson Cancer Center; Peter Mueller, The University of Texas M.D. Anderson Cancer Center; Giovanni Parmigiani, Johns Hopkins University
2:20 PM	The Beta-Binomial Distribution for Estimating the Number of False Rejections in Microarray Gene Expression Studies — ■ Daniel L. Hunt, St. Jude Children's Research Hospital; Cheng Cheng, St. Jude Children's Research Hospital; Stanley B. Pounds, St. Jude Children's Research Hospital
2:35 PM	Statistical Test for Clonality Using Array-CGH Data — ■ Irina Ostrovnaya, Memorial Sloan-Kettering Cancer Center; Colin B. Begg, Memorial Sloan-Kettering Cancer Center; Adam Olshen, Memorial Sloan-Kettering Cancer Center ; Venkatraman E. Seshan, Columbia University
2:50 PM	A Markov Chain Monte Carlo Bayesian Network Approach To Infer Gene Co-Regulation Patterns — ■ Younhee Ko, University of Illinois at Urbana Champaign; Chengxiang Zhai, University of Illinois at Urbana Champaign; Sandra L. Rodriguez-Zas, University of Illinois at Urbana-Champaign
3:05 PM	Array Data Analyzer: A Novel Tool for Analyzing High-Dimensional Array Data — ■ Jie Cheng, GlaxoSmithKline; Joel Greshock, GlaxoSmithKline; Xiwu Lin, GlaxoSmithKline R&D; Kwan Lee, GlaxoSmithKline
3:20 PM	Detecting Cellular Differentiation from Gene Expression Measurements — ■ Feng Hong, University of Illinois at Urbana-Champaign; Xuming He, University of Illinois at Urbana-Champaign; Sheng Zhong, University of Illinois at Urbana-Champaign
3:35 PM	Floor Discussion
Add To My Program	
324 ● ▲	Tue, 8/5/08, 2:00 PM - 3:50 PM CC-601
Use of Decision Analysis in Clinical Trials - Contributed - Papers	

Biopharmaceutical Section, Section on Health Policy Statistics, Biometrics Section		
<i>Chair(s): Xiaoming Li, Merck Research Laboratories</i>		
2:05 PM	Benefit-Risk Assessment in Dose-Finding Trials — ■ Hui Quan, sanofi-aventis; Yujun Wu, sanofi-aventis	
2:20 PM	Decision Analysis: A Tool for Biostatisticians To Select and Present Clinical Trial Design — ■ Marc L. de Somer, McMaster University; Lehana Thabane, McMaster University	
2:35 PM	A Novel Approach to Proof-of-Concept in Stroke Recovery — ■ Christopher Assaid, Merck Research Laboratories	
2:50 PM	A Bayesian Approach To Assess Probability of Success of a Study — ■ Fang Liu, Merck Research Laboratories	
3:05 PM	Using Posterior Probability as Decision Rule for Nonsuperiority Study — ■ Danielle Sheng, Merck & Co., Inc.; Matilde Sanchez, Arena Pharmaceuticals	
3:20 PM	Hypothesis Testing with a Buffer Area — ■ Boshao Zhang, Medical University of South Carolina	
3:35 PM	Decision Analysis in Late-Stage Clinical Trials — ■ Suvajit Samanta, Merck Research Laboratories; Weili He, Merck Research Laboratories	
		Add To My Program
325	Tue, 8/5/08, 2:00 PM - 3:50 PM	CC-F Lobby
Contributed Poster Presentations - Contributed - Poster Presentations		
Biopharmaceutical Section, Biometrics Section, Section on Health Policy Statistics, Section on Physical and Engineering Sciences, Section on Risk Analysis, Section on Statistical Computing, Section on Statistical Consulting, Section on Statistics and the Environment, Section on Statistics in Epidemiology, Social Statistics Section		
<i>Organizer(s): John Castelloe, SAS Institute Inc.</i>		
<i>Chair(s): John Castelloe, SAS Institute Inc.</i>		
Poster Topic: Engineering and physical sciences, chemometrics:		
63:	Parameter Estimation in Astrophysical Accretion Disc Models — ■ Elizabeth Martínez-Gómez, National Autonomous University of Mexico; Jorge Cantó-Illa, National Autonomous University of Mexico; Victor M. Guerrero Guzmán, Instituto Tecnológico Autónomo De México	
64:	Estimating Critical Micelle Concentration (CMC) via Change-Point Regression Modeling — ■ Tom Filloon, Procter & Gamble	

65:	Building Bridges Between Planetary Sciences and Statistics — ■Padma Yanamandra-Fisher, Jet Propulsion Laboratory; David Holt, University of California, Irvine; Ka Wong, University of California, Los Angeles; Amy Braverman, Jet Propulsion Laboratory; Sean Jezweski, California Institute of Technology
66:	Algorithm of Periodic Signal Reconstruction from Noisy Environment — ■Amy L. Potrzeba, University at Albany; Igor G. Zurbenko, University at Albany
Poster Topic: <i>Experimental design:</i>	
67:	A Propensity Score Analysis To Improve Covariate Balance in a Randomized Experiment: Reducing Bias in the Prevention of Perinatal Sepsis (PoPS) Trial — ■Cassandra K. Wolos, Harvard University; Donald B. Rubin, Harvard University
68:	Investigating the Use of Computational Algorithms for Constructing Nonregular Robust Parameter Designs — Debra Ingram, Arkansas State University; ■Latia Carraway, Arkansas State University
69:	Response Surfaces, Blocking, and Split Plots: An Industrial Experiment Case Study — ■Willis Jensen, W.L. Gore & Associates
Poster Topic: <i>Reliability and survival modeling, risk analysis:</i>	
70:	Risk and Protection Factors in Breast Cancer — ■Luis S. Cid, University of Concepción; Jorge P. Pierart, Universidad de Concepcion; Sandra Ramirez, Universidad de Concepcion
71:	A Simulation Study of Performance of Hypertabastic and Hyperbolastic Survival Models in Comparison with Classic Survival Models — ■Zoran Bursac, University of Arkansas for Medical Sciences; Mohammad Tabatabai, Cameron University; D. Keith Williams, University of Arkansas for Medical Sciences
72:	Power and Sample Size Calculations for Current Status Survival Analysis — ■John M. Williamson, Centers for Disease Control and Prevention; Hung-Mo Lin, Mount Sinai School of Medicine; Hae-Young Kim, New England Research Institutes
73:	Multiple-Event Survival Analysis of Chronic Stable Angina and Asymptomatic Known Coronary Artery Disease — ■Zugui Zhang, Christiana Care Health System; Paul Kolm, Christiana Care Health System; Ewen Edward, Christiana Care Health System
74:	A Cure Model for Alternating States Data with Frailty — ■E. Paul Wileyto, University of Pennsylvania; Daniel F. Heitjan, University of Pennsylvania
75:	Weight Selection in Survival Analysis with Delayed Effect — ■Boguang Zhen, U.S. Food and Drug Administration

76:	Calculation of Sample Size for Clinical Trials in Presence of Dependent Right Censoring — ■Huang Ching-yu, National Health Research Institutes; Peng Nanfu, National Chiao Tung University; Chang Hsing-Yi, National Health Research Institutes
77:	Comparing Survival Functions Between a Surgical Cohort and Matched Members of the General Population — ■David M. Thompson, University of Oklahoma; Ronald Elkins, University of Oklahoma
78:	Software To Support Weibull Inference — ■John I. McCool, Pennsylvania Great Valley
79:	Maximum Likelihood Estimation Methodology Comparison for the Three-Parameter Weibull Distribution with Applications to Offshore Oil Spills in the Gulf of Mexico — ■William V. Harper, Otterbein College; Thomas R. James, Otterbein College; Ted G. Eschenbach, TGE Consulting
Poster Topic: <i>Social and behavioral science:</i>	
80:	Causal Modeling Approach to Differential Treatment Effects — ■Jennifer Faerber, University of Pennsylvania; Thomas Ten Have, University of Pennsylvania; Dylan Small, University of Pennsylvania; Marshall Joffe, University of Pennsylvania
81:	Type I Error Rates and Power for Factor Analysis Applied to Data from the Latent Class Model — ■James P. Long, Columbia University; John Kolassa, Rutgers, The State University of New Jersey
82:	Smaller but More Unequal World? A Network Analysis of the World City System — ■Xiulian Ma, The University of Utah
83:	Classification and Regression Tree (CART) Analysis: Advantages on Interaction Effect — ■Yinmei Huang, The University of Akron
84:	Chinese and American Self and Other: Calibration in Relative Rank on Everyday Tasks — ■Adam Molnar, Bellarmine University; Shali Wu, The University of Chicago
85:	Studying Mexican Return Migration at the Locality Level in 2000 and 2005 — ■Claudia Masferrer, The University of Texas at Austin; Bryan Roberts, The University of Texas at Austin
86:	Social Network Analysis (SNA) of Weighted Telecommunication Graphs — Norbert Walchhofer, Vienna University of Economics and Business Administration; ■Angela Bohn, EC3 E-Commerce Competence Center
87:	Using Latent Class Analysis To Categorize Patterns of Psychiatric Disorders: The Case of Nicotine Withdrawal — ■Tania Robbins, RTI International; Scott Novak, RTI International; Sara Calvin, RTI International
88:	Reading Literacy Trajectories Among Different Gender and Ethnicity — ■Man Hung, The University of Utah

89:	Variable Selection for Propensity Score Models — ■ Bing Yu, University of Toronto; Guanglei Hong, University of Toronto	
90:	Discrepancies in Cohen's Proposed Effect Sizes — ■ James Schmeidler, Mount Sinai School of Medicine	
		Add To My Program
	Tue, 8/5/08, 4:00 PM - 5:00 PM	HY-Capitol Ballroom 1-2
STATCOM: Students Providing Pro Bono Consulting to the Community		
Purdue University		
<i>Organizer(s): Douglas Baumann, STATCOM at Purdue</i>		
		Add To My Program
	Tue, 8/5/08, 4:00 PM - 6:00 PM	HY-Capitol Ballroom 4
Council of Chapters Workshop and Reception		
Council of Chapters		
<i>Chair(s): John Hall, Mathematica Policy Research, Inc.</i>		
		Add To My Program
	Tue, 8/5/08, 4:00 PM - 5:30 PM	CC-206
Open Meeting on Accreditation of Statisticians Proposal		
Ad Hoc Committee to Propose an Approach to Individual Accreditation		
<i>Chair(s): Mary Batcher, Ernst & Young LLP</i>		
		Add To My Program
326	Tue, 8/5/08, 4:00 PM - 5:50 PM	CC-Four Seasons Ballroom
Deming Lecture - Invited - Papers		
ASA, ENAR, IMS, SSC, WNAR, Deming Lectureship Committee, Biometrics Section		
<i>Organizer(s): Nicholas I. Fisher, University of Sydney</i>		
<i>Chair(s): Steven Cohen, Agency for Healthcare Research and Quality</i>		
4:05 PM	Inference and Improvement in Health Care — ■ Donald M. Berwick, Institute for Healthcare Improvement	

5:30 PM	Floor Discussion	
Add To My Program		
	Tue, 8/5/08, 5:00 PM - 7:00 PM	HY-Mineral Hall A
North Carolina State University Alumni and Friends		
North Carolina State University		
<i>Organizer(s): Tom Gerig, North Carolina State University</i>		
Add To My Program		
	Tue, 8/5/08, 5:00 PM - 7:00 PM	HY-Agate B
Rice University Statistics Group Reception		
Rice University		
<i>Organizer(s): Phyllis Guerra, Rice University</i>		
Add To My Program		
	Tue, 8/5/08, 5:00 PM - 7:00 PM	HY-Agate A
The Caucus for Women in Statistics Reception		
Caucus for Women in Statistics		
<i>Organizer(s): Marcia Ciol, University of Washington</i>		
Add To My Program		
	Tue, 8/5/08, 5:00 PM - 7:00 PM	HY-Mineral Hall D-E
Section on Bayesian Statistical Science Mixer and Business Meeting		
Section on Bayesian Statistical Science		
<i>Chair(s): Ronald Christensen, University of New Mexico</i>		
Add To My Program		
	Tue, 8/5/08, 5:30 PM - 6:30 PM	HY-Granite A
IMS Welcome Reception for Students and New Members		
IMS		

Organizer(s): Elyse Gustafson, Institute of Mathematical Statistics

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Tue, 8/5/08, 5:30 PM - 7:30 PM

CC-202

Section on Government Statistics Business Meeting

Section on Government Statistics

Chair(s): Carol House, U.S. Department of Agriculture

[Add To My Program](#)

Tue, 8/5/08, 5:30 PM - 7:30 PM

HY-Capitol Ballroom 7

Biopharmaceutical Section Mixer

Biopharmaceutical Section

Chair(s): Kannan Natarajan, Novartis Pharmaceuticals

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Tue, 8/5/08, 5:30 PM - 7:00 PM

CC-113

Section on Statistical Consulting Open Business Meeting

Section on Statistical Consulting

Chair(s): Brenda Gaydos, Eli Lilly and Company

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Tue, 8/5/08, 5:30 PM - 7:00 PM

HY-Mineral Hall B

Section on Statistics in Epidemiology Social Mixer

Section on Statistics in Epidemiology

Chair(s): William Barlow, Cancer Research and Biostatistics

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Tue, 8/5/08, 5:30 PM - 7:00 PM

HY-Granite B

Section on Nonparametric Statistics Business Meeting

Section on Nonparametric Statistics

<i>Chair(s): Ronald Randles, University of Florida</i>		
Add To My Program		
	Tue, 8/5/08, 5:30 PM - 7:30 PM	HY-Mineral Hall C
University of Michigan Biostatistics and Statistics Departments Joint Alumni Reception		
University of Michigan		
<i>Organizer(s): Roderick J. Little, The University of Michigan, Vijay Nair, The University of Michigan</i>		
Add To My Program		
	Tue, 8/5/08, 5:30 PM - 7:30 PM	HY-Capitol Ballroom 6
Joint Section on Quality and Productivity and Physical Engineering Sciences Business Meeting and Mixer		
Section on Quality and Productivity, Section on Physical and Engineering Sciences		
<i>Chair(s): Connie Borrer, Arizona State University West, William Notz, The Ohio State University</i>		
Add To My Program		
	Tue, 8/5/08, 5:30 PM - 7:00 PM	HY-Agate C
Committee on Gay and Lesbian Concerns in Statistics Social Meeting		
Committee on Gay and Lesbian Concerns in Statistics		
<i>Chair(s): Barry Johnson, Statistics of Income, IRS</i>		
Add To My Program		
	Tue, 8/5/08, 6:00 PM - 7:00 PM	HY-Capital Ballroom 3
STATCOM Network Business Meeting		
Purdue University		
<i>Organizer(s): Andrea Rau, Purdue University</i>		
Add To My Program		
	Tue, 8/5/08, 6:00 PM - 7:00 PM	CC-111
JSM 2010 Program Committee Orientation Meeting (closed)		

JSM 2010 Program Committee		
<i>Chair(s): Xuming He, University of Illinois at Urbana-Champaign</i>		
Add To My Program		
	Tue, 8/5/08, 6:00 PM - 7:30 PM	HY-Capitol Ballroom 5
Committee on Minorities in Statistics Reception		
Committee on Minorities in Statistics		
<i>Chair(s): Nagambal Shah, Spelman College</i>		
Add To My Program		
	Tue, 8/5/08, 7:00 PM - 7:30 PM	CC-Four Seasons Ballroom
2008 ASA New Fellows Group Picture (closed)		
2008 ASA New Fellows		
<i>Chair(s): Roderick J. Little, The University of Michigan</i>		
Add To My Program		
327	Tue, 8/5/08, 8:00 PM - 9:30 PM	CC-Four Seasons Ballroom
ASA Presidential Address and Awards - Invited - Papers		
ASA, ENAR, IMS, SSC, WNAR, Biometrics Section		
<i>Organizer(s): Peter A. Lachenbruch, Oregon State University</i>		
<i>Chair(s): Mary Ellen Bock, Purdue University</i>		
8:00 PM	Presentations of Awards — ■ Mary Ellen Bock, Purdue University	
8:30 PM	Communicating Statistics and Developing Professionals — ■ Peter A. Lachenbruch, Oregon State University	
9:00 PM	Presentation of Founders Awards and New ASA Fellows — ■ Mary Ellen Bock, Purdue University	
Add To My Program		
	Tue, 8/5/08, 9:30 PM - 12:00 AM	HY-Mineral Hall D-G
JSM Informal Dance Party (all welcome, included in registration fee)		
ASA, ENAR, IMS, SSC, WNAR		

		Add To My Program
	Wed, 8/6/08, 7:00 AM - 8:30 AM	HY-Limestone
Committee of Representatives to AAAS Business Meeting		
Committee of Representatives to AAAS		
<i>Chair(s): Michael P. Cohen, Statistical Consultant</i>		
		Add To My Program
	Wed, 8/6/08, 7:00 AM - 6:00 PM	CC-F2 Lobby Office
Speaker Management Room		
		Add To My Program
	Wed, 8/6/08, 7:00 AM - 8:00 PM	CC-A Lobby
Cyber Center		
		Add To My Program
328	Wed, 8/6/08, 7:00 AM - 8:15 AM	CC-208
Section on Quality and Productivity Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Quality and Productivity		
<i>Organizer(s): Donald W. McCormack, Jr., SAS Institute Inc.</i>		
WL01:	Will Work for Data: Observations on Life as an Industrial Statistician — ■Theresa Utlaut, Intel Corporation	
		Add To My Program
329	Wed, 8/6/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistical Education Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistical Education		
<i>Organizer(s): Peter Westfall, Texas Tech University</i>		
WL02:	Incorporating GAISE in Online Introductory Statistics Courses — ■Sue Schou, Idaho State University	

		Add To My Program
330	Wed, 8/6/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistics and the Environment Roundtables with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistics and the Environment		
<i>Organizer(s): Andrew B. Lawson, University of South Carolina</i>		
WL03:	Bayesian Space-Time Disease Mapping: Issues and Opportunities — ■ Andrew B. Lawson, University of South Carolina	
WL04:	20 Questions Statisticians Should Ask About Climate Change — ■ Edward J. Wegman, George Mason University; Yasmin H. Said, George Mason University; David W. Scott, Rice University	
		Add To My Program
331	Wed, 8/6/08, 7:00 AM - 8:15 AM	CC-208
Section on Statistics in Epidemiology Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Statistics in Epidemiology		
<i>Organizer(s): Amy H. Herring, The University of North Carolina at Chapel Hill</i>		
WL05:	Methods for Assessing Exposures to Mixtures of Chemicals — ■ Enrique F. Schisterman, National Institute of Child Health and Human Development; Rajeshwari Sundaram, National Institutes of Health; Amy H. Herring, The University of North Carolina at Chapel Hill	
		Add To My Program
332	Wed, 8/6/08, 7:00 AM - 8:15 AM	CC-208
Section on Teaching Statistics in the Health Sciences Roundtable with Coffee (fee event) - Roundtables - with Coffee		
Section on Teaching Statistics in the Health Sciences		
<i>Organizer(s): Carol Bigelow, University of Massachusetts Amherst</i>		
WL06:	Enhancing Statistical Literacy in the Medical Professions — ■ Penelope Pekow, University of Massachusetts Amherst; Carol Bigelow, University of Massachusetts Amherst	
		Add To My Program

	Wed, 8/6/08, 7:30 AM - 4:30 PM	CC-A Lobby
ASA Membership/Special Assistance/Press Desk		
		Add To My Program
	Wed, 8/6/08, 7:30 AM - 4:30 PM	CC-A Lobby
JSM Main Registration		
		Add To My Program
	Wed, 8/6/08, 8:00 AM - 6:00 PM	CC-Main Lobby
Denver Visitors Information Center		
		Add To My Program
	Wed, 8/6/08, 8:00 AM - 4:30 PM	CC-Exhibit Hall A
Career Placement Service		
		Add To My Program
	Wed, 8/6/08, 8:00 AM - 2:00 PM	CC-Exhibit Hall F
Exhibitor Lounge		
		Add To My Program
	Wed, 8/6/08, 8:00 AM - 10:00 AM	HY-Sandstone
Committee on Outreach Education Business Meeting (closed)		
Committee on Outreach Education		
<i>Chair(s): Wendy Martinez, Office of Naval Research</i>		
		Add To My Program
CE_29T	Wed, 8/6/08, 8:00 AM - 9:45 AM	HY-Capitol Ballroom 1
Meta-Analysis: Concepts and Applications - Continuing Education - CTW		
ASA		

Instructor(s): Michael Borenstein, Biostat, Inc., Hannah R. Rothstein, Biostat, Inc.

Meta-analysis is a set of statistical procedures to synthesize data from multiple studies. When the studies share a common effect size, the meta-analysis yields a more precise estimate of that effect than any single study, and when the effect varies from one study to the next, meta-analysis may be used to explain the variation. Meta-analyses are used to inform policy, obtain approval for drugs, and design research. They also play a key role in grant applications and publications. We will explain the concept of meta-analysis and show how to compute treatment effects and a combined effect, assess heterogeneity, and explain variation in treatment effects across studies. We will discuss the difference between fixed and random effects models and address common criticisms of meta-analysis. We will demonstrate Comprehensive Meta Analysis Version 2, a program developed with funding from the NIH. This course is intended for people who perform or interpret meta-analyses. Attendees should have some familiarity with meta-analysis, but the course will cover the basics before moving on to advanced topics.

[Add To My Program](#)

CE_30T

Wed, 8/6/08, 8:00 AM - 9:45 AM

HY-Capitol Ballroom 2

Determining Sample Size and Power in Study Planning: nQuery Advisor 7.0 - Continuing Education - CTW

ASA

Instructor(s): Janet Elashoff, Statistical Solutions, Brian Sullivan, Statistical Solutions

Choosing an adequate sample size is a vital part of study planning. We will review statistical methods for determining study sample size and power. Using nQuery Advisor with real examples, we will demonstrate the steps in sample size determination from specifying the design to writing a sample size justification statement. We will provide tips for the toughest problem in sample size determination-eliciting the information needed to specify "effect" sizes and "guesstimate" standard deviations-and we encourage discussion. We will illustrate sample size planning for survival studies with user specified hazard ratios and illustrate the effects of accrual and dropout patterns on required sample size. We will show the relationships between sample size methods for tests, confidence intervals, and noninferiority and equivalence studies. We will discuss the logistic and power issues of unequal n's and stratification and show how to make the last step in study planning, the creation of randomization lists, easy. Attendees should be experienced in the use of data analysis methods commonly taught in master's programs in statistics.

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CE_31T

Wed, 8/6/08, 8:00 AM - 9:45 AM

HY-Capitol Ballroom 3

An Introduction to Stat Studio for SAS/STAT Users - Continuing Education - CTW

ASA

Instructor(s): Rick Wicklin, SAS Institute Inc.

Stat Studio 3.1 is new statistical software in SAS 9.2. It provides a highly flexible programming environment in which you can run SAS/STAT and SAS/IML analyses and display the results with dynamically linked graphics and data tables. You can also call SAS procedures from an IML program. Stat Studio is intended for data analysts who write SAS programs to solve statistical problems but need more versatility for data exploration and model building. This workshop introduces Stat Studio to SAS/STAT users. You will learn how to use the point-and-click features of Stat Studio for analyzing data interactively, write programs that use interactive graphics to display diagnostic statistics computed by SAS/STAT procedures for model assessment and outlier identification, and write programs that implement modern statistical methods, such as bootstrap algorithms and nonparametric smoothing techniques. Attendees should have basic knowledge of SAS/STAT procedures such as FREQ, REG, and LOGISTIC. Experience with SAS/IML and object-oriented programming is helpful, but not required.

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CE_32T

Wed, 8/6/08, 8:00 AM - 9:45 AM

HY-Capitol Ballroom 7

From Software to Solutions in Statistics and Risk Analysis - Continuing Education - CTW

ASA

Instructor(s): Shawn Harahush, Palisade

The world of business and education has become more complex with the decision of the type of software a business will use to successfully manage their incoming data. Palisade, a world leader in risk analysis, has been creating software solutions for more than 20 years. Palisade's flagship product, @RISK, integrates into Microsoft Excel to provide a powerful Monte Carlo simulation engine to the ease-of-use environment. Palisade's StatTools also integrates with Excel to provide reliable and easy-to-use statistics to an easily accessible program. NeuralTools adds sophisticated neural networks analysis into an easy-to-use and familiar interface: Microsoft Excel.

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Wed, 8/6/08, 8:30 AM - 10:30 AM

HY-Marble

Advisory Committee on Continuing Education Excellence in CE Meeting (closed)

Advisory Committee on Continuing Education

Chair(s): Eileen King, The Procter & Gamble Co

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333

Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-207

Late-Breaking Session II: What Can Statistical Methods Tell Us About Steroid Use and Its Effects Among Major League Baseball Players?

ASA, ENAR, IMS, SSC, WNAR, Section on Statistics in Sports		
<i>Organizer(s): James H. Albert, Bowling Green State University, Michael J. Schell, Moffitt Cancer Center</i>		
<i>Chair(s): Phyllis J. Curtiss, Grand Valley State University</i>		
8:35 AM	What Can Statistical Methods Tell Us About Steroid Use and Its Effects Among Major League Baseball Players? — ■James H. Albert, Bowling Green State University; ■Michael J. Schell, Moffitt Cancer Center; ■Andrew Dolphin, Raytheon Company; ■Phil Birnbaum, Society for American Baseball Research	
10:15 PM	Floor Discussion	
		Add To My Program
334	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-205
Introductory Overview Lecture: Sample Size and Related Issues		
ASA, ENAR, IMS, SSC, WNAR, Biopharmaceutical Section, Section on Government Statistics, Section on Survey Research Methods, Section on Teaching Statistics in the Health Sciences, Social Statistics Section		
<i>Organizer(s): Russell Lenth, The University of Iowa</i>		
<i>Chair(s): John Castelloe, SAS Institute Inc.</i>		
8:35 AM	What Are the Crucial Error Rates To Consider in Sample-Size Analysis? — ■Ralph O'Brien, Case Western Reserve University	
9:25 AM	A Good N Despite a Bad Start: A Practical Guide to Easy Internal Pilots — ■Keith E. Muller, University of Florida	
10:15 AM	Floor Discussion	
		Add To My Program
335 ▲	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-709
The Life of a Statistician: In Memory of Professor Jack Lee - Invited - Papers		
Memorial, Section on Nonparametric Statistics, Committee on ASA Archives and Historical Materials		
<i>Organizer(s): Dennis K.J. Lin, The Pennsylvania State University, Henry H.S. Lu, National Chiao Tung University</i>		
<i>Chair(s): Grace Yang, National Science Foundation</i>		
8:35 AM	The Life of a Statistician: In Memory of Professor Jack Lee — ■Jane-Ling Wang, University of California, Davis	

8:55 AM	A Robust Approach to Joint Modeling of Mean and Scale Covariance for Longitudinal Data — ■Tsung-I Lin, National Chung Hsing University; Yun-Jen Wang, National Chiao Tung University
9:15 AM	Nonparametric Monotone Regression for Generalized Linear Models with Applications to Wafer Acceptance Tests — ■Jyh-Jen H. Shiau, National Chiao Tung University
9:35 AM	Multidimensional Scaling for Large Genomic Data Sets — Jengnan Tzeng, Academia Sinica; ■Henry H.S. Lu, National Chiao Tung University; Wen-Hsiung Li, The University of Chicago
9:55 AM	Disc: George C. Tiao, The University of Chicago
10:15 AM	Floor Discussion

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336	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-703
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Mixture Models: A Tool for Multilayered Clustering and Dimension Reduction - Invited - Papers

IMS, WNAR

Organizer(s): Surajit Ray, Boston University

Chair(s): Ofer Harel, University of Connecticut

8:35 AM	EM-Test for Finite Mixture Models — ■Jiahua Chen, The University of British Columbia
9:00 AM	Modal Inference and Its Application to High-Dimensional Clustering — ■Surajit Ray, Boston University
9:25 AM	Mixture Models for Document Clustering — ■Edward J. Wegman, George Mason University
9:50 AM	Disc: Peter G. Hall, The University of Melbourne
10:10 AM	Floor Discussion

[Add To My Program](#)

337 ▲	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-702
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Privacy Breaches in Federal Data Collections - Invited - Papers

Section on Survey Research Methods, Section on Government Statistics, Section on Statisticians in Defense and National Security

Organizer(s): Marilyn Seastrom, National Center for Education Statistics

Chair(s): Katherine Wallman, Office of Management and Budget

8:35 AM	Applying Federal Data Security Policy to Statistical Agency Practices — ■ Rochelle W. Martinez, Office of Management and Budget; John W. Barkhamer, Office of Management and Budget
9:00 AM	U.S. Census Bureau's Approach To Address OMB's Guidelines and Rules Relating to Privacy Breaches in Federal Statistical Agencies — ■ Nancy M. Gordon, U.S. Census Bureau
9:25 AM	The Impact of a Privacy Breach on Survey Participation in a National Longitudinal Survey — ■ Marilyn Seastrom, National Center for Education Statistics ; Jennifer Park, National Center for Education Statistics
10:10 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-203

Stirring the Pot: Radical Ideas in Statistics Education - Invited - Papers

Section on Statistical Education

Organizer(s): Jackie Miller, The Ohio State University

Chair(s): Ann Cannon, Cornell College

8:35 AM	Statistical Thinking: A New First Course in Statistics — ■ Bruce Dunham, The University of British Columbia
8:55 AM	It's Time To Retire 'N >= 30' — ■ Tim Hesterberg, Google, Inc.
9:15 AM	Concepts of Statistical Inference: A Randomization-Based Curriculum — ■ Allan Rossman, California Polytechnic State University; Beth Chance, California Polytechnic State University; George Cobb, Mt. Holyoke College; John Holcomb, Cleveland State University
9:35 AM	Guided Interdisciplinary Research Projects — ■ Shonda Kuiper, Grinnell College
9:55 AM	Disc: George Cobb, Mt. Holyoke College
10:15 AM	Floor Discussion

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339  

Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-103

Statistical Consulting and Collaboration in Private Industries - Invited - Papers

Section on Statistical Consulting

Organizer(s): I-Li Lu, The Boeing Company

Chair(s): I-Li Lu, The Boeing Company

8:35 AM	Statistical Collaboration at Boeing: The Good, the Better, and the Best — ■Sabyasachi Basu, The Boeing Company
9:05 AM	Statistical Consulting in Pharmaceutical Development: What Turns Outsourcing into Collaboration? — ■Russell Helms, Rho, Inc.
9:25 AM	Statistical Consulting in the Automotive Industry: Opportunities, Challenges, and Impact — ■Lonnie Vance, General Motors (Retired)
9:50 AM	Disc: Jeffrey A. Robinson, General Motors R&D Center
10:10 AM	Floor Discussion

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340 ●

Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-708

Innovative Methods for Imputation - Invited - Papers

Section on Health Policy Statistics, Section on Government Statistics, Section on Survey Research Methods

Organizer(s): David R. Judkins, Westat, Inc.

Chair(s): David R. Judkins, Westat, Inc.

8:35 AM	Evaluation of Multiple Imputation by Ordered Monotone Blocks in an Anthrax Vaccine Trial — Michela Baccini, University of Florence; Constantine E. Frangakis, Johns Hopkins University; Fan Li, Harvard Medical School; Fabrizia Mealli, University of Florence; Brian D. Plikaytis, Centers for Disease Control and Prevention; Charles E. Rose, Centers for Disease Control and Prevention; Donald B. Rubin, Harvard University; ■Elizabeth R. Zell, Centers for Disease Control and Prevention
9:00 AM	Evaluation of Imputation of Covariates in an Impact Analysis with Regression Adjustment — ■Eric Grau, Mathematica Policy Research, Inc.; Sue Ahmed, Mathematica Policy Research, Inc.
9:25 AM	Multiple Imputation for Protecting Data Confidentiality: Applications by the German Institute for Employment Research — Jerome Reiter, Duke University; ■Joerg Drechsler, German Institute for Employment Research; Susanne Rässler, Otto-Friedrich University Bamberg
9:50 AM	Heavy Children in Motor Vehicle Crashes: Imputation for Covariates with Missingness and Measurement Errors — ■Dawei Xie, University of Pennsylvania; Yulei He, Harvard Medical School
10:15 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-102

Nested and Crossed Random Effects in Nonlinear Models - Invited - Papers		
Biopharmaceutical Section , Section on Bayesian Statistical Science, Section on Health Policy Statistics, Biometrics Section		
<i>Organizer(s): Reid D. Landes, University of Arkansas for Medical Sciences</i>		
<i>Chair(s): Reid D. Landes, University of Arkansas for Medical Sciences</i>		
8:35 AM	Challenges and Opportunities for Nonlinear Mixed Models in Biological Assays — ■ David Lansky, Precision Bioassay	
9:00 AM	Semiparametric Bayesian Approaches to Nonlinear Mixed Effects Models — ■ Peter Mueller, The University of Texas M.D. Anderson Cancer Center	
9:25 AM	Bayesian Models for Repeatedly Repeated Data — ■ Gary L. Rosner, The University of Texas M.D. Anderson Cancer Center; Peter Mueller, The University of Texas M.D. Anderson Cancer Center; Fernando A. Quintana, Pontificia Universidad Católica de Chile	
9:50 AM	Disc: Jose Pinheiro, Novartis Pharmaceuticals	
10:10 AM	Floor Discussion	
Add To My Program		
342  	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-110
Statistical Challenges in Vaccine Clinical Studies - Invited - Papers		
ENAR , Biopharmaceutical Section, WNAR, Section on Health Policy Statistics, Biometrics Section		
<i>Organizer(s): Sang Ahnn, U.S. Food and Drug Administration, Amelia D. Horne, U.S. Food and Drug Administration, Barbara Krasnicka, U.S. Food and Drug Administration</i>		
<i>Chair(s): Peter A. Lachenbruch, Oregon State University</i>		
8:35 AM	Issues and Challenges in Assessing Vaccine Efficacy and Correlates of Protection — ■ Ivan S.F. Chan, Merck Research Laboratories	
9:00 AM	Assessing How Vaccine Efficacy Depends on HIV Genetics by Competing Risks Failure Time Methods — ■ Peter B. Gilbert, Fred Hutchinson Cancer Research Center; Yanqing Sun, The University of North Carolina, Charlotte; Ian W. McKeague, Columbia University	
9:25 AM	Establishing Vaccine Safety in Studies with Rare Events — ■ Valerii V. Fedorov, GlaxoSmithKline	
9:50 AM	Statistical Challenges in Vaccine Clinical Studies: An FDA Perspective — ■ Amelia D. Horne, U.S. Food and Drug Administration	
10:15 AM	Floor Discussion	

		Add To My Program
343	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-711
Best Practices in Collecting Survey Data on Sexual Orientation - Invited - Panel		
Committee on Gay and Lesbian Concerns in Statistics, Section on Survey Research Methods, Social Statistics Section		
<i>Organizer(s): Barry Johnson, Statistics of Income, IRS, Arthur B. Kennickell, Federal Reserve Board of Governors</i>		
<i>Chair(s): Arthur B. Kennickell, Federal Reserve Board of Governors</i>		
Abstract:	Best Practices in Collecting Survey Data on Sexual Orientation	
Panelists:	<ul style="list-style-type: none"> ■ Christopher Carpenter, University of California, Irvine ■ Gary Gates, Williams Institute ■ Larry Bye, Field Research Corporation ■ Jana Asher, Carnegie Mellon University 	
10:15 AM	Floor Discussion	
		Add To My Program
344	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-712
Using Innovative Sample Design Approaches, Contact Methodologies, and User Input To Reduce Coverage Bias in Surveying Hard-to-Locate Populations - Topic Contributed - Papers		
Section on Government Statistics, Section on Survey Research Methods		
<i>Organizer(s): Steve Cohen, National Science Foundation</i>		
<i>Chair(s): Steve Cohen, National Science Foundation</i>		
8:35 AM	Developing a Sampling Frame for Postdoctoral Researchers — ■ Emilda B. Rivers, National Science Foundation	
8:55 AM	Assessment of Lists for Building a Sample Frame of Academic Postdoc Employers — ■ Tina Mainieri, Survey Sciences Group LLC; Eduardo Galvan, Survey Sciences Group LLC; David Roe, Survey Sciences Group LLC; Emilda B. Rivers, National Science Foundation	
9:15 AM	Frame Improvements for the 2007 Commodity Flow Survey — ■ Ruth E. Detlefsen, U.S. Census Bureau; Yukiko T. Ellis, U.S. Census Bureau	
9:35 AM	Getting an Establishment Survey to the Right Person Within the Organization — ■ Jeri M. Mulrow, National Science Foundation; Ray Wolfe, National Science Foundation; Brandon Shackelford, Twin Ravens Consulting	
9:55 AM	Disc: Lisa Roney, U.S. Citizenship and Immigration Services	
10:15 AM	Floor Discussion	

		Add To My Program
345 ●	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-111
Advances in Bayesian Methods for Health Care Applications - Topic Contributed - Papers		
Section on Bayesian Statistical Science, Section on Health Policy Statistics		
<i>Organizer(s): A. James O'Malley, Harvard Medical School</i>		
<i>Chair(s): Jason Stover, Georgia College & State University</i>		
8:35 AM	Determining Latent Dimensions of Disability: Use of Bayesian Methods To Combine Theoretical and Empirical Arguments — ■ Mary Beth Landrum, Harvard Medical School	
8:55 AM	Bayesian Model Checking for Multivariate Data — ■ Catherine M. Crespi, University of California, Los Angeles; W. John Boscardin, University of California, Los Angeles	
9:15 AM	Bayesian Analysis Using Priors from Historical Data — ■ Brian Neelon, Harvard Medical School; A. James O'Malley, Harvard Medical School	
9:35 AM	Correcting for Measurement Error in Diagnoses of Post-Traumatic Stress Disorder — ■ Juned Siddique, The University of Chicago; Robert Gibbons, University of Illinois at Chicago; Bonnie Green, Georgetown University Medical School	
9:55 AM	Combining Information on Adjuvant Cancer Therapies from Multiple Sources — ■ Yulei He, Harvard Medical School; Alan Zaslavsky, Harvard University Medical School	
10:15 AM	Floor Discussion	
		Add To My Program
346 ● ▲	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-706
Combining Observations and Atmospheric Models To Predict and Understand Weather - Topic Contributed - Papers		
Section on Statistics and the Environment		
<i>Organizer(s): Doug Nychka, National Center of Atmospheric Research</i>		
<i>Chair(s): Petrutza Caragea, Iowa State University</i>		
8:35 AM	NCAR's Data Assimilation Research Testbed — Jeffrey Anderson, National Center for Atmospheric Research; ■ Timothy Hoar, National Center for Atmospheric Research; Nancy Collins, National Center for Atmospheric Research	

8:55 AM	Experimental Implementation of an Ensemble Adjustment Filter for an Intermediate ENSO Model — ■ Alicia Karspeck, National Center for Atmospheric Research; Jeffrey Anderson, National Center for Atmospheric Research
9:15 AM	The Impacts of Radio Occultation Data on Analyses and Prediction of Tropical Cyclones Using WRF and an Ensemble Forecast System — ■ Hui Liu, National Center for Atmospheric Research; Chris Snyder, National Center for Atmospheric Research; Jeffrey Anderson, National Center for Atmospheric Research; Y. H. Kuo, National Center for Atmospheric Research
9:35 AM	Disc: Chris Snyder, National Center for Atmospheric Research
9:55 AM	Disc: Kevin Raeder, National Center for Atmospheric Research
10:15 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-104

Early Treatment Discontinuation: A Statistical Investigation - Topic Contributed - Papers

Biopharmaceutical Section, WNAR, Biometrics Section

Organizer(s): Hong Liu-Seifert, Eli Lilly and Company

Chair(s): Pali Sen, University of North Florida

8:35 AM	Joint Modeling of a Longitudinal Outcome and Early Study Discontinuation — ■ Donald Hedeker, University of Illinois at Chicago
8:55 AM	Predictors of Premature Treatment Discontinuation: A Statistical Investigation Across Four Disease States — ■ Hong Liu-Seifert, Eli Lilly and Company
9:15 AM	Reducing Attrition Bias with an Adjustment for Participants' Intent To Dropout of a Clinical Trial — ■ Andrew C. Leon, Weill Medical College of Cornell University; Hakan Demirtas, University of Illinois at Chicago; Donald Hedeker, University of Illinois at Chicago
9:35 AM	Disc: Craig Mallinckrodt, Eli Lilly and Company
9:55 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-106

Analysis of Mixed Outcome Data in Health and Medicine via Copula Models - Topic Contributed - Papers

Biometrics Section, Biopharmaceutical Section, Section on Statistics in Epidemiology, SSC, WNAR, Section on Health Policy Statistics

Organizer(s): Alexander R. de Leon, University of Calgary

Chair(s): Alexander R. de Leon, University of Calgary

8:35 AM	Do Prescription Drug Expenditures Have Cost-Offsets? A Panel Data Analysis Using Copulas — ■David Zimmer, Western Kentucky University; Pravin K. Trivedi, Indiana University
8:55 AM	Modeling Count Data with Copulas: Shall We? — ■Johanna Neslehova, ETH Zurich; Christian Genest, Université Laval
9:15 AM	Efficient Bayesian Inference for Gaussian Copula Regression Models — ■Michael K. Pitt, University of Warwick
9:35 AM	Disc: K. C. Carriere, University of Alberta
9:55 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-107

Statistical Methods for Differential Equation Models - Topic Contributed - Papers

Section on Physical and Engineering Sciences, IMS

Organizer(s): Hulin Wu, University of Rochester

Chair(s): Hulin Wu, University of Rochester

8:35 AM	Differential Equation Modeling of HIV Viral Fitness Experiments: Model Identification, Model Selection, and Multimodel Inference — ■Hongyu Miao, University of Rochester; Hulin Wu, University of Rochester; Carrie Dykes, University of Rochester; Lisa M. Demeter, University of Rochester
8:55 AM	Inverse Modeling of Full-Waveform, Single-Well Geophysical Data Using a Bayesian Model and Markov Chain Monte Carlo Methods — ■Jinsong Chen, Lawrence Berkeley National Laboratory; Thomas M. Daley, Lawrence Berkeley National Laboratory; Carlos Torres-Verdin, The University of Texas at Austin
9:15 AM	Data Mining Dynamical Systems: Automated Symbolic System Identification for Exploratory Analysis — ■Michael D. Schmidt, Cornell University; Hod Lipson, Cornell University
9:35 AM	An Approximate Maximum Likelihood Method for Parameter and State Estimation in Continuous-Time Dynamic Models — ■P. James McLellan, Queen's University; Saeed Varziri, Queen's University; Kim B. McAuley, Queen's University
9:55 AM	Disc: James O. Ramsay, McGill University

10:15 AM	Floor Discussion	
		Add To My Program
350 	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-204
Multimarker Analysis in Genetic Association Studies - Topic Contributed - Papers		
Section on Statistics in Epidemiology , Biometrics Editorial Board, WNAR, Biometrics Section		
<i>Organizer(s): Chuhsing K. Hsiao, National Taiwan University</i>		
<i>Chair(s): Chuhsing K. Hsiao, National Taiwan University</i>		
8:35 AM	A Constrained Regression Approach for Studying Haplotype-Specific Effects —  Jung-Ying Tzeng, North Carolina State University; Howard Bondell, North Carolina State University	
8:55 AM	Pathway-Based Analysis of Genomewide Association Studies —  Kui Zhang, The University of Alabama at Birmingham; Douglas K. Childers, The University of Alabama at Birmingham	
9:15 AM	A Retrospective Method for Inference on Haplotype Main Effects and Haplotype-Environment Interactions Using Clustered Haplotypes —  Martha Jones, PRA International; Michael Epstein, Emory University; Glenn Satten, Centers for Disease Control and Prevention; Andrew Allen, Duke University Medical Center; Jung-Ying Tzeng, North Carolina State University	
9:35 AM	Haplotype Associations When Functional Variation Is Only Partially Scored —  Dmitri Zaykin, National Institute of Environmental Health Sciences	
9:55 AM	A New Support Vector Regression Approach to Gene Selection —  Pei-Chun Chen, National Taiwan University; Su-Yun Huang, Institute of Statistical Science, Academia Sinica; Chuhsing K. Hsiao, National Taiwan University	
10:15 AM	Floor Discussion	
		Add To My Program
351 	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-112
Statistical Literacy 2008 - Topic Contributed - Papers		
Section on Statistical Education		
<i>Organizer(s): Milo Schield, W.M. Keck Statistical Literacy Project</i>		
<i>Chair(s): Lawrence M. Lesser, The University of Texas at El Paso</i>		
8:35 AM	Interpreting the Substantive Significance of Multivariate Regression Coefficients —  Jane E. Miller, Rutgers, The State University of New Jersey	
8:55 AM	Just Plain Data Analysis —  Gary Klass, Illinois State University	

9:15 AM	Using Simulation To Teach Statistical Literacy — ■ Marc Isaacson, Augsburg College
9:35 AM	Numbers in the News: A Survey — Milo Schield, W.M. Keck Statistical Literacy Project; ■ Robert L. Raymond, University of St Thomas
9:55 AM	Von Mises' Frequentist Approach to Probability — ■ Milo Schield, W.M. Keck Statistical Literacy Project; Tom Burnham, Cognitive Consulting
10:15 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-113

Design Issues for Conjoint Experiments - Topic Contributed - Papers

Section on Statistics and Marketing

Organizer(s): Martina Vandebroek, Katholieke Universiteit Leuven

Chair(s): Martina Vandebroek, Katholieke Universiteit Leuven

8:35 AM	A Comparison of Bayesian Design Criteria — ■ Jie Yu, Katholieke Universiteit Leuven; Peter Goos, Universiteit Antwerpen; Zsolt Sándor, Universidad Carlos III Madrid; Martina Vandebroek, Katholieke Universiteit Leuven
8:55 AM	Adaptive Self-Explication of Multi-Attribute Preferences — ■ Oded Netzer, Columbia University; V. Seenu Srinivasan, Stanford University
9:15 AM	Designing Optimal Discrete Choice Experiments for Alternative-Specific Attributes — ■ Leonie Burgess, University of Technology, Sydney
9:35 AM	Efficient Experimental Designs for Hyperparameter Estimation: Studying the Level-Effect in Conjoint Analysis — ■ Qing Liu, University of Wisconsin-Madison; Angela M. Dean, The Ohio State University; David Bakken, Harris Interactive; Greg Allenby, The Ohio State University
9:55 AM	Optimality Criteria for Designs To Measure Accurately the WTP by Conjoint Choice Experiments — ■ Bart Vermeulen, K.U.Leuven; Peter Goos, Universiteit Antwerpen; Martina Vandebroek, Katholieke Universiteit Leuven
10:15 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-710

Recent Developments in Transportation Statistics - Topic Contributed - Papers

Social Statistics Section, Section on Government Statistics, Section on Survey Research Methods

Organizer(s): Promod Chandhok, U.S. Department of Transportation

<i>Chair(s): Michael P. Cohen, Statistical Consultant</i>		
8:35 AM	Variations in Effect Estimation Techniques To Assess Graduated Driver — ■David M. Neyens, The University of Iowa; Birsen Donmez, Massachusetts Institute of Technology; Linda Boyle, The University of Iowa	
8:55 AM	Quasi-Likelihood Generalized Linear Regression Analysis of Fatality Risk Data — ■C. Craig Morris, Bureau of Transportation Statistics	
9:15 AM	Estimating Nonresponse Bias in the Omnibus Household Survey — ■Promod Chandhok, U.S. Department of Transportation	
9:35 AM	Safety Analyses of Signalized Intersections Using Bayesian Hierarchical Spatial Models — ■Feng Guo, Virginia Polytechnic Institute and State University; Xuesong Wang, University of Central Florida; Mohamed Abdel-Aty, University of Centraol Florida	
9:55 AM	Analyzing Time Delay of Highway Construction Transportation Contracts: An Exploratory Study — ■Abhishek Bhargava, Purdue University; Panagiotis Anastasopoulos, Purdue University; Fred Mannering, Purdue University; Kumares C. Sinha, Purdue University; Samuel Labi, Purdue University	
10:15 AM	Floor Discussion	
Add To My Program		
354 ●	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-601
Variance Estimation - Contributed - Papers		
Section on Survey Research Methods , Section on Government Statistics, Social Statistics Section		
<i>Chair(s): Ismael Flores Cervantes, Westat, Inc.</i>		
8:35 AM	Single Phase Variance Estimation Approach to Two-Phase Designs — ■Avinash C. Singh, Statistics Canada	
8:50 AM	Some Notes on Cell Collapsing and Its Effect on Replicate Variance Estimates with the Delete-a-Group Jackknife Variance Estimator — ■Katherine J. Thompson, U.S. Census Bureau; Samson Adeshiyan, U.S. Census Bureau	
9:05 AM	Variance Estimation for an Estimator of Between-Year Change in Totals from Two Stratified Bernoulli Samples — ■Kimberly A. Henry, Internal Revenue Service; Valerie L. Testa, Internal Revenue Service; Richard Valliant, The University of Michigan	
9:20 AM	Variances for the American Community Survey 2005 Public Use Microdata Sample — ■Sirius C. Fuller, U.S. Census Bureau; Anthony G. Tersine, Jr., U.S. Census Bureau	

9:35 AM	Estimating Observation Outlyingness Using Statistical Distances in National Resources Inventory — ■Jianqiang Wang, Iowa State University; Jean Opsomer, Colorado State University
9:50 AM	An Alternative to the Logit-Wald Method for Inference with Models for Proportions — Avinash C. Singh, Statistics Canada; ■Claude Nadeau, Statistics Canada
10:05 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-704

Weighting in Longitudinal and Multilevel Surveys - Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section

Chair(s): Mandi Yu, The University of Michigan

8:35 AM	Creating Bootstrap Survey Weights When Only Limited Design Information Is Available: A Simulation Study — ■Michael Wendt, Statistics Canada; David Paton, Statistics Canada
8:50 AM	Minimizing Conditional Global MSE for Health Estimates from the Behavioral Risk Factor Surveillance System for U.S. Counties Contiguous to the United States-Mexico Border — ■Joe Fred Gonzalez, Jr., Centers for Disease Control and Prevention; Machell Town, Centers for Disease Control and Prevention; Jay J. Kim, National Center for Health Statistics
9:05 AM	Results from the 2006 Canadian Census Weighting Process — ■Wesley Benjamin, Statistics Canada; Darryl Janes, Statistics Canada
9:20 AM	Changing the Weighting Approach of a Longitudinal Survey — ■Michael Yang, ICF International; Yongyi Wang, National Opinion Research Center
9:35 AM	Response Patterns Among New Businesses — ■Zhanyun Zhao, Mathematica Policy Research, Inc.; Frank Potter, Mathematica Policy Research, Inc.; Yuhong Zheng, Mathematica Policy Research, Inc.
9:50 AM	Multilevel Modeling in Large-Scale Assessments with Informative Sampling Weights — ■Frank Jenkins, Westat, Inc.
10:05 AM	Weighting Methods in School-Based Surveys — ■Ronaldo Iachan, Macro International; Pedro J. Saavedra, Macro International; James Ross, Macro International

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-206

Testing and Estimation - Contributed - Papers		
Section on Statistics in Epidemiology, Biometrics Section		
<i>Chair(s): Kiros Berhane, University of Southern California</i>		
8:35 AM	Three-Dimensional, Array-Based Group-Testing Algorithms — ■Hae-Young Kim, New England Research Institutes; Michael Hudgens, The University of North Carolina at Chapel Hill	
8:50 AM	A Hierarchical Latent Class Model for Evaluating Diagnostic Tests for Chlamydia Trachomatis in the Absence of a Gold Standard — ■Liangliang Wang, The University of British Columbia; Nandini Dendukuri, McGill University; Alula Hadgu, Centers for Disease Control and Prevention	
9:05 AM	Comparing Different Diagnostic Methods When Gold Standard Is Not Available — ■Nong Shang, Centers for Disease Control and Prevention	
9:20 AM	Transformation-Invariant and Nonparametric Monotone Smooth Estimation of ROC Curves — ■Pang Du, Virginia Polytechnic Institute and State University; Liansheng Tang, George Mason University	
9:35 AM	Assess the Diagnostic Accuracy of Sequential Screening Tests in a Multiphase Study of Dementia — ■Binbing Yu, National Institute on Aging; Chuan Zhou, Vanderbilt University	
9:50 AM	Generalized ROC Criterion for Multivariate Normally Distributed Biomarkers with Limits of Detection — ■Neil J. Perkins, National Institute of Child Health and Human Development; Enrique F. Schisterman, National Institute of Child Health and Human Development; Albert Vexler, National Institute of Child Health and Human Development	
10:05 AM	Estimates of Parameters in the Incidence Model for the Two Hospital Capture-Recapture Problem — ■Lawrence Lessner, State University of New York at Albany	
		Add To My Program
357	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-701
Data Mining and Machine Learning - Contributed - Papers		
Section on Statistical Computing		
<i>Chair(s): William D. Heavlin, Google, Inc.</i>		
8:35 AM	Contiguous Clustering of Temporal Data — ■James A. Shine, U.S. Army Topographic Engineering Center; James E. Gentle, George Mason University	
8:50 AM	Improving Identification of the Minority Class on Imbalanced Data Sets — ■Chen-An Tsai, China Medical University; James J. Chen, National Center for Toxicological Research	

9:05 AM	The Ensemble Tree — ■ J. Brian Gray, The University of Alabama; Jie Xu, The University of Alabama
9:20 AM	Generalized Reduced Error Logistic Regression Machine — ■ Daniel M. Rice, Rice Analytics
9:35 AM	Bonsai: Exploration and Cultivation of Machine Learning Models — ■ David Purdy, University of California, Berkeley; Daisy (Zhe) Wang, University of California, Berkeley
9:50 AM	Borrowing Strength in Time Series Data Mining — ■ Ganesh Subramaniam, AT&T Labs - Research; Ravi Varadhan, Johns Hopkins University
10:05 AM	Data Complexity and Classifier Performance — ■ Ana I. Landeros, The University of Alabama

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358	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-101
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Financial and Economic Modeling - Contributed - Papers

Section on Risk Analysis

Chair(s): Mehmet Sahinoglu, Troy University Montgomery

8:35 AM	Percentile Estimators in Location-Scale Parameter Families Under Absolute Loss — ■ Jerome Keating, The University of Texas at San Antonio; Robert L. Mason, Southwest Research Institute; Narayanaswamy Balakrishnan, McMaster University
8:50 AM	Interval Estimation for the Largest Mean of a Multivariate Normal Population with Application to Mutual Fund Returns — ■ Hubert J. Chen, National Cheng Kung University
9:05 AM	Robust Neural Network with Application to Maturation Curve Estimation — ■ Yijia Feng, The Pennsylvania State University
9:20 AM	Risks Estimation in Economic Systems on the Basis of the Processing Approach — ■ Dmitry G. Morgunov, Novosibirsk State Technical University; Anatoly A. Naumov, Novosibirsk State Technical University
9:35 AM	Floor Discussion

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359	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-105
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Reliability and Censored Data Analysis - Contributed - Papers

Section on Quality and Productivity, Section on Physical and Engineering Sciences

Chair(s): Huaiyu Ma, GE Global Research

8:35 AM	Weekday Dependence in Reliability Analysis of Repairable Systems — ■Alexandre Zolotovitski, Sun Microsystems, Inc.; David C. Trindade, Sun Microsystems, Inc.
8:50 AM	Estimation of Percentage of Defective Items in Quality Control — ■Shui-Ching Chang, Overseas Chinese Institute of Technology; Tze Fen Li, Ming Dao University
9:05 AM	Mean Residual of Some Discrete Distributions — ■Syed A. Hossain, Rider University; Mohammad Ahsanullah, Rider University; Syed N. Kirmani, University of Northern Iowa
9:20 AM	Estimating Performance Degradation Using Intervals Between Upcrossings of a Threshold — ■Brock E. Osborn, GE Global Research; Thomas R. Willemain, Rensselaer Polytechnic Institute; Hui Fan, Moody's Investors Services; Pasquale Sullo, Rensselaer Polytechnic Institute
9:35 AM	A Method for Calculating Control Limits for Multiple Characteristics That Are Skewed and/or Detection Limit Censored — ■Robert Brill, ICL Performance Products; Thomas J. Bzik, Air Products and Chemicals, Inc.
9:50 AM	Nonparametric Test Families for Highly Censored and/or Skewed Data — ■Thomas J. Bzik, Air Products and Chemicals, Inc.; Robert Brill, ICL Performance Products
10:05 AM	Sequential Design for Analyses Involving Several Types of Data — ■Christine Anderson-Cook, Los Alamos National Laboratory; Todd Graves, Los Alamos National Laboratory; Michael Hamada, Los Alamos National Laboratory
Add To My Program	
360	Wed, 8/6/08, 8:30 AM - 10:20 AM
CC-705	
Estimation Methods in Selected Nonparametric and Semiparametric Settings - Contributed - Papers	
Section on Nonparametric Statistics, IMS	
<i>Chair(s): Jane L. Harvill, Baylor University</i>	
8:35 AM	Estimating Monotone Convex Functions via Sequential Shape Modification — ■Sang Han Lee, Nathan Kline Institute; Johan Lim, Yonsei University; Seung-Jean Kim, Stanford University; Yongsung Joo, University of Florida
8:50 AM	Semiparametric Additive Isotonic Regression — ■Guang Cheng, Statistical and Applied Mathematical Sciences Institute
9:05 AM	ANOVA for Semiparametric Models with Missing and Unbalanced Longitudinal Data — ■Pingshou Zhong, Iowa State University; Song Xi Chen, Iowa State University

9:20 AM	On the Asymptotics of Additive Penalized Splines — ■Yingxing Li, Cornell University; David Ruppert, Cornell University
9:35 AM	Parameter Estimation Under a Two-Sample Semiparametric Model — ■Jingjing Wu, University of Calgary
9:50 AM	Revisiting Qualms About Bootstrap Confidence Intervals — ■Michael R. Chernick, Smith Hanley Consulting Group
10:05 AM	Floor Discussion

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-707

Developments in Nonparametric and Robust Time Series Analysis - Contributed - Papers

Section on Nonparametric Statistics, IMS

Chair(s): Michael Baron, The University of Texas at Dallas

8:35 AM	The Kernel Self-Normalized, Tail-Trimmed Sum for Dependent, Heterogeneous Data, with an Application to Robust Least Squares — ■Jonathan B. Hill, The University of North Carolina at Chapel Hill
8:50 AM	Analyzing Bivariate Time Series via Nonparametric Likelihood — ■Suddhasatta Acharyya, Brown University; Hernando Ombao, Brown University
9:05 AM	Consistent Nonparametric Tests for Granger Causality — Yoshihiko Nishiyama, Kyoto University, Institute of Economic Research; Kohtaro Hitomi, Kyoto Institute of Technology; ■Yoshinori Kawasaki, The Institute of Statistical Mathematics; Kiho Jeong, Kyungpook National University
9:20 AM	Spline-Backfitted Additive Nonparametric Transfer Function Models — ■Jun Liu, Georgia Southern University
9:35 AM	Kernel Reweighting for Inference on Time Series — ■Kristofer Jennings, Purdue University
9:50 AM	Testing for the Equality of Two Autoregressive Functions Using Quasi-Residuals — ■Fang Li, Indiana University Purdue University, Indianapolis
10:05 AM	Local Linear Quantile Estimation for Nonstationary Time Series — ■Zhou Zhou, The University of Chicago

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Wed, 8/6/08, 8:30 AM - 10:20 AM

CC-109

Bayesian Design and Bayesian Methods for Poisson Data - Contributed - Papers

Section on Bayesian Statistical Science		
<i>Chair(s): Hongxiao Zhu, Rice University</i>		
8:35 AM	The Impacts of Misclassification on Bayesian Adaptive Designs — ■Jo A. Edmonds, The University of Kansas Medical Center; John W. Seaman, Jr., Baylor University; James Stamey, Baylor University	
8:50 AM	Exact Bayesian Inference in Matched Pairs Designs — ■Yong Chen, Johns Hopkins Bloomberg School of Public Health; Sining Chen, Johns Hopkins University; Haitao Chu, The University of North Carolina at Chapel Hill	
9:05 AM	Bayesian Optimal Single Arrays for Robust Parameter Design — ■Lulu Kang, Georgia Institute of Technology; Roshan J. Vengazhiyil, Georgia Institute of Technology	
9:20 AM	Comparison of the Bayesian Prediction Limits for the Poisson Process — ■Valbona Bejleri, University of the District of Columbia; Alexander White, Texas State University, San Marcos	
9:35 AM	Characterizing the Performance of a Bayesian Conway-Maxwell GLM — ■Seth D. Guikema, Johns Hopkins University; Srinivas Geedipally, Texas A&M University; Dominique Lord, Texas A&M University; Soma Dhavala, Texas A&M University	
9:50 AM	Bayesian Detection of Changes of a Poisson Process Monitored at Discrete Time Points Where the Arrival Rates Are Unknown — ■Marlo Brown, Niagara University	
10:05 AM	Estimation of Web Page Change Rates — ■Carrie Grimes, Google, Inc.; Daniel Ford, Google, Inc.	
Add To My Program		
363	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-202
Spatial Modeling and Related Computational Issues - Contributed - Papers		
Biometrics Section, Section on Statistical Computing		
<i>Chair(s): Pingsheng Wu, Vanderbilt Univrsity Medical Center</i>		
8:35 AM	Joint Spatial Modeling of Recurrent Tree Infection and Growth with Processes Under Intermittent Observation — ■Farouk S. Nathoo, University of Victoria	
8:50 AM	An Approach to the Analysis of Spatially Correlated Multilevel Functional Data — ■Ana-Maria Staicu, University of Bristol ; Ciprian M. Crainiceanu, Johns Hopkins University; Raymond Carroll, Texas A&M University	

9:05 AM	Bayesian Spatial Analysis of Sexual Behaviors Among HIV High-Risk Individuals in Sexual Networks — ■Robin Jeffries, University of California, Los Angeles; Robert E. Weiss, University of California, Los Angeles; Pamina Gorbach, BERG; Steve Shoptaw, University of California, Los Angeles
9:20 AM	Fitting Regression Models of Propagation Type to the Boolean Random Set — ■Khalil Shafie, University of Northern Colorado; Mojtaba Khazaee, Shahid Beheshti University; Mojtaba Ganjali, Shahid Beheshti University
9:35 AM	Why Do Ticks Like My Dog? — ■Hyun-Joo Kim, Truman State University; Stephanie A. Fore, Truman State University; Laura J. Fielden-Rechav, Truman State University; Georgia Muller, Truman State University; Tad Dallas, Truman State University; Will Petry, Truman State University
9:50 AM	Bayesian Mixture Labeling by Posterior Modes — ■Weixin Yao, Kansas State University; Bruce G. Lindsay, The Pennsylvania State University
10:05 AM	Numerical Identifiability and Convergence for Gibbs Sampling of Nonlinear Models — ■Seongho Kim, Indiana University School of Medicine; Lang Li, Indiana University
Add To My Program	
364	Wed, 8/6/08, 8:30 AM - 10:20 AM CC-210
Econometric Time Series - Contributed - Papers	
Business and Economics Statistics Section	
<i>Chair(s): Priya Kulkarni, Genentech, Inc.</i>	
8:35 AM	Test of Cointegration Using Long Run Canonical Correlations: Part II — ■Kalidas Jana, The University of Texas at Brownsville
8:50 AM	A Decomposition Approach to Revisions in Aggregated Time Series Estimates — ■Duncan J. Elliott, The Office for National Statistics, UK; Craig H. McLaren, The Office for National Statistics, UK; Julian Chow, The Office for National Statistics, UK
9:05 AM	Forecasting Methods for GDP with Measurable Risks — ■Les Yen, University of Phoenix/NVA; Eric Cramer, University of Phoenix
9:20 AM	From California to Connecticut: Examining House Price Models for the USA — ■Chaitra Nagaraja, The Wharton School, University of Pennsylvania; Lawrence Brown, University of Pennsylvania
9:35 AM	Estimation and Inference in Unstable Models Estimated via Nonlinear Least Squares — ■Otilia Boldea, Tilburg University; Alastair Hall, University of Manchester/North Carolina State University
9:50 AM	Nonlinear Dynamics and Persistence in PPP Relation: Does Controlling for Nonlinearity Solve the PPP Puzzle? — ■Rehim Kilic, Georgia Institute of Technology

10:05 AM	Floor Discussion	
		Add To My Program
365	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-108
Proteomics and Metabolomics - Contributed - Papers		
Biometrics Section, Section on Nonparametric Statistics, WNAR		
<i>Chair(s): Katerina J. Kechris, University of Colorado Denver</i>		
8:35 AM	A Systematic Low-Level Analysis for Both SELDI- and MALDI-TOF-MS Data with Improved Peak Alignment Algorithm — ■Xuelian Wei, University of California, Los Angeles; Kerchau Li, University of California, Los Angeles; James LeBlanc, University of California, Los Angeles; Thomas Drake, University of California, Los Angeles	
8:50 AM	Use of Left-Truncated Regression Models for Normalization of Global Mass Spectrometry Data — ■Douglas W. Mahoney, Mayo Clinic College of Medicine; Christopher J. Malone, Winona State University; Ann L. Oberg, Mayo Clinic College of Medicine; Jeanette E. Eckel-Passow, Mayo Clinic College of Medicine; Terry M. Therneau, Mayo Clinic College of Medicine; H. Robert Bergen, III, Mayo Clinic College of Medicine	
9:05 AM	A New Algorithm To Solve Protein Identification Problems in MS/MS Analysis — ■Gabriela Cohen Freue, The University of British Columbia; Axel Bergman, Jack Bell Research Centre; Zsuzsanna Hollander, iCAPTURE; Robert Balshaw, iCAPTURE; Janet Wilson-McManus, iCAPTURE; Paul Keown, iCAPTURE; Bruce McManus, iCAPTURE; Robert McMaster, Jack Bell Research Centre; Raymond Ng, The University of British Columbia	
9:20 AM	Multidimensional Biomolecular NMR Studies: Noise Reduction and Component Identification — ■Nicoleta Serban, Georgia Institute of Technology	
9:35 AM	Empirical Bayes Methods for Biomarker Identification in Metabolomics — ■Cheng Zheng, Purdue University; Olga Vitek, Purdue University; Haiwei Gu, Purdue University; Zhengzheng Pan, Roche Diagnostics Co.; Daniel Raftery, Purdue University	
9:50 AM	Statistical Analysis of Censored Proteomic Expression Data — ■Shiying Wu, RTI International; James Stephenson, RTI International; Carol Whisnant, RTI International; Diane Wagener, RTI International	
10:05 AM	Metabolic Profiling of Prostate Tissue Using the K-Means Cluster Analysis — ■Helena Gurascier, University of California, San Francisco; Vickie Y. Zhang, University of California, San Francisco; Ying Lu, University of California, San Francisco; John Kurhanewicz, University of California, San Francisco	

		Add To My Program
366  	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-201
Bayesian Methods in Drug Development - Contributed - Papers		
Biopharmaceutical Section , Section on Bayesian Statistical Science, Section on Health Policy Statistics, Biometrics Section		
<i>Chair(s): Kuenhi Tsai, Merck & Co., Inc.</i>		
8:35 AM	Clinical Trial Monitoring with Bayesian Hypothesis Testing —  John D. Cook, The University of Texas M.D. Anderson Cancer Center	
8:50 AM	Bayesian Dose-Finding in Oncology for Drug Combinations by Copula Regression —  Ying Yuan, The University of Texas M.D. Anderson Cancer Center	
9:05 AM	Bayesian Tests for Synergy in Three-Agent Combination Chemotherapy Treatments —  Melinda M. Holt, Sam Houston State University; Haunbiao Mo, Texas Woman's University	
9:20 AM	A Flexible Class of Models for Data Arising from a 'Thorough QT/QTc Study' —  Suraj P. Anand, North Carolina State University; Sujit Ghosh, North Carolina State University	
9:35 AM	Prior Estimation for Empirical Bayes Binomial Models —  Boris G. Zaslavsky, U.S. Food and Drug Administration	
9:50 AM	Floor Discussion	
		Add To My Program
367	Wed, 8/6/08, 8:30 AM - 10:20 AM	CC-212
Transportation, Visualization, Equity Premium Forecasting, IT, and Structural Breaks - Contributed - Papers		
Business and Economics Statistics Section , Section on Statistical Graphics		
<i>Chair(s): Natalya Verbitsky, Mathematica Policy Research, Inc.</i>		
8:35 AM	Estimation of Structural Breaks in Nonstationary Time Series: The Theory Behind AutoPARM —  Stacey Hancock, Colorado State University; Richard A. Davis, Columbia University; Yi-Ching Yao, Institute of Statistical Science, Academia Sinica	
8:50 AM	Sequential Sampling for Pricing Consistency of Enterprise IT Solutions with Attached Services —  Jerry Shan, Hewlett-Packard Company	
9:05 AM	Communicating Quantitative Information Through Visualization —  Krista L. Olson, BAE Systems	
9:20 AM	A Statistical Analysis of Ambulance Travel Times —  Dawit Zerom, Mihaylo College of Business and Economics	

9:35 AM	Modeling of Strategic Planning Related to Land Use — ■Chandra Aleong, Delaware State University; J. Aleong, University of Vermont
9:50 AM	Estimation and Comparative Analysis of Departure Delays for Better Decisionmaking — ■Yufeng Tu, University of Maryland/Touro Univerisity
10:05 AM	Out-of-Sample Equity Premium Prediction: Consistently Beating the Historical Average — ■Guofu Zhou, Washington University; David Rapach, Saint Louis University; Jack Strauss, Saint Louis University
Add To My Program	
368	Wed, 8/6/08, 8:30 AM - 10:20 AM CC-F Lobby
Invited Poster Presentations: Modeling in Ecology - Invited - Poster Presentations	
Section on Statistics and the Environment	
<i>Organizer(s): Mevin B. Hooten, Utah State University</i>	
<i>Chair(s): John Castelloe, SAS Institute Inc.</i>	
Poster Topic: Modeling in Ecology:	
01:	A Hierarchical Bayesian Modeling Approach for Analysis of Large River Fish Movement Data — ■Ali Arab, Georgetown University; Christopher Wikle, University of Missouri-Columbia; Mark Wildhaber, U.S. Geological Survey; Aaron Delonay, U.S. Geological Survey
02:	Data-Model Integration for Forest Dynamics — ■Jarrett J. Barber, University of Wyoming; Kiona Ogel, University of Wyoming; Darren E. Gemoets, University of Wyoming
03:	Modeling Marine Mammal Movement Data — ■Devin Johnson, National Marine Mammal Laboratory; Carey Kuhn, National Marine Mammal Laboratory
04:	Hard Core or Soft Core: On the Characterization of Animal Space Use — ■Mevin B. Hooten, Utah State University; Ryan Wilson, Utah State University; John A. Shivik, Utah State University
05:	Hierarchical Models for the Estimation of Manatee Abundance from Aerial Surveys — ■Robert M. Dorazio, U.S. Geological Survey/University of Florida
06:	Bayesian Hierarchical Models for the Lower Trophic Ecosystem in the North Pacific Ocean — ■Christopher Wikle, University of Missouri-Columbia; Ralph Milliff, Northwest Research Associates, Inc.
Add To My Program	
369	Wed, 8/6/08, 8:30 AM - 10:20 AM CC-F Lobby

Contributed Poster Presentations - Contributed - Poster Presentations**Biometrics Section, IMS, Section on Nonparametric Statistics, Section on Physical and Engineering Sciences, Section on Quality and Productivity, Section on Statistical Computing, Section on Statistical Education***Organizer(s): John Castelloe, SAS Institute Inc.**Chair(s): John Castelloe, SAS Institute Inc.***Poster Topic:** *Bootstrap, resampling methods:*

- | | |
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| 07: | A Step-Down Pairwise Comparison Procedure Using Medians and Permutation Tests — ■ Scott Richter, The University of North Carolina, Greensboro; Melinda McCann, Oklahoma State University |
| 08: | Using the Bootstrap To Select Active Factors in Unreplicated Factorial Experiments — ■ Gerald Shaughnessy, University of Dayton; Maher Qumsiyeh, Bethlehem University |
| 09: | Using a Mark-Recapture Experiment To Illustrate Methods of Point and Interval Estimation — ■ Carlo Cosenza, California State University, East Bay; Joshua Kerr, California State University, East Bay; Bruce Trumbo, California State University, East Bay |

Poster Topic: *Computational statistics, numerical methods, simulation:*

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| 10: | An Algorithm for Unconstrained Quadratically Penalized Convex Optimization — ■ Steven P. Ellis, Columbia University |
| 11: | Numerical Error in ODEs — ■ Clyde Martin, Texas Tech University; Bo He, Texas Tech University |
| 12: | Differences in Computations of Sample Quantiles — ■ Michael Joner, The Procter & Gamble Company; Eugene Shine, Savannah River National Laboratory |
| 13: | Asymptotic Expansions in Mean and Covariance Structure Analysis — ■ Haruhiko Ogasawara, Otaru University of Commerce |
| 14: | A Comparison of Two Boxplot Methods for Detecting Outliers That Adjust for Sample Size and, When Appropriate, for Asymmetry — ■ Nancy J. Carter, California State University, Chico; Neil C. Schwertman, California State University, Chico; Terry L. Kiser, California State University, Chico |
| 15: | Parallel Processing in Artificial Intelligence — ■ Morteza Marzjarani, Saginaw Valley State University; Joshua Urbain, Saginaw Valley State University; Joshua Cieszlak, Saginaw Valley State University |
| 16: | Entropy Estimation of Multimodal Circular Distributions — ■ Shengqiao Li, Centers for Disease Control and Prevention; Robert Mnatsakanov, Centers for Disease Control and Prevention; Adam Fedorowicz, Centers for Disease Control and Prevention; Michael E. Andrew, National Institute for Occupational Safety and Health |

17:	Exact Bounds on the Probability That One Variable Exceeds Another — ■ Robert Lew, VA Boston Healthcare System
18:	Constrained Maximum Likelihood Estimation for Logistic Regression — Martin Levy, Universtiy of Cincinnati; ■ ZhiYuan Dong, Universtiy of Cincinnati; Yan Yu, Universtiy of Cincinnati; Tim Keyes, GE Capitol
19:	Determining Minimum Sample Sizes To Achieve Central Limit Theorem Closeness When Sampling from Various Populations — Jamis Perrett, Texas A&M University; ■ Steve Hoff, University of Northern Colorado
Poster Topic: <i>Pattern recognition, computer vision, shape analysis, signal processing:</i>	
20:	Classification of Closed Contours — ■ Fu-Chih Cheng, North Dakota State University
21:	An Artificial Immune Network--Based Classification Approach to ECG Monitoring Applications — Honggang Wang, University of Nebraska-Lincoln; ■ Hua Fang, University of Nebraska-Lincoln
Poster Topic: <i>Semiparametric and nonparametric methods:</i>	
22:	Using Semiparametric Varying Coefficient Models To Investigate Interactions of Toxic Exposure and Nutritional Covariates in a Study of Neurodevelopmental Outcomes — ■ Miranda L. Lynch, University of Rochester; Li-Shan Huang, University of Rochester
23:	Performance of Some Statistical Methods for Testing Equality of Parameters in Zero-Inflated Continuous Distributions — ■ Lei Zhang, Mississippi State Department of Health; William D. Johnson, Lousiana State University System; Jixiang Wu, Mississippi State University
24:	Semiparametric Inference of Linear Transformation Models with Length-Biased Censored Data — ■ Jane Paik, Columbia University; Zhiliang Ying, Columbia University
25:	A Distribution-Free, One-Sample Test for Equivalence — ■ Jesse Frey, Villanova University
26:	A Nonparametric Version of the Multivariate Likelihood Ratio Test (Wilks Lambda) — ■ Chunxu Liu, University of Kentucky; Arne Bathke, University of Kentucky
27:	The Rank Transforms and Tests of Interaction for Repeated Measures Experiments with Various Covariance Structures — ■ Jennifer Bryan, Oklahoma Christian University; Mark E. Payton, Oklahoma State University
28:	Testing the Structure of a Covariance Matrix — ■ Tracy Morris, University of Central Oklahoma; Mark E. Payton, Oklahoma State University
30:	Ordered Inference Using Observed Confidence Levels — ■ Alan M. Polansky, Northern Illinois University

31:	Adaptive Quasi-Monte Carlo Sampling: Construction and Applications — ■ Ben Haaland, University of Wisconsin-Madison; Zhiguang (Peter) Qian, University of Wisconsin-Madison	
32:	Separating Borrowing Information and Forming Contrasts: Nonparametric Inference for Arbitrary Functionals of Survival — ■ Kyle Rudser, University of Washington; Scott S. Emerson, University of Washington; M. L. LeBlanc, Fred Hutchinson Cancer Research Center	
		Add To My Program
	Wed, 8/6/08, 9:00 AM - 11:00 AM	HY-Capitol Ballroom 6
Council of Sections Publications, Editors, and Webmasters Meeting		
Council of Sections		
<i>Chair(s): Andre Lubecke, Lander University</i>		
		Add To My Program
	Wed, 8/6/08, 9:00 AM - 5:00 PM	CC-A Lobby
ASA Marketplace		
		Add To My Program
	Wed, 8/6/08, 9:00 AM - 2:00 PM	CC-Exhibit Hall F
EXPO 2008		
		Add To My Program
	Wed, 8/6/08, 9:00 AM - 2:00 PM	CC-Exhibit Hall F
American Statistical Association Booth #101		
		Add To My Program
CE_33T	Wed, 8/6/08, 10:00 AM - 11:45 AM	HY-Capitol Ballroom 1
EastAdapt: A Module for Late-Stage Adaptive Trial Design Within the East® 5 Software System - Continuing Education - CTW		
ASA		

Instructor(s): Cyrus R. Mehta, Cytel Inc.

We will demonstrate EastAdapt®, a major upgrade of the adaptive design module of East that is used for designing and simulating late-stage (phase II and phase III) clinical trials. EastAdapt makes it possible to design clinical trials with a data-dependent mid-course correction to sample size, spending function, and number of future interim analyses and their spacing without inflating the type I error. EastAdapt's simulations are used to determine the operating characteristics of the adaptive design and compare them to those of a classical group sequential design. A major new capability is the ability to compute valid p-values, point estimates, and confidence intervals at the end of the adaptive clinical trial. Another major new EastAdapt capability is the ACR Method for performing the adaptive hypothesis test. With the ACR method, one can use the usual sufficient statistic, rather than the Cui, Hung and Wang (1999) weighted statistic to determine statistical significance.

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CE_34T

**Wed, 8/6/08, 10:00 AM -
11:45 AM**

HY-Capitol Ballroom 2

Survey Data Analysis with Stata - Continuing Education - CTW

ASA

Instructor(s): Jeffrey Pitblado, Stata Corp LP

This workshop will cover how to use Stata for survey data analysis assuming a fixed population. Knowledge of Stata is not required, but attendees should have some statistical knowledge, such as what is typically covered in an introductory statistics course. We will begin by reviewing the sampling methods used to collect survey data and how they affect the estimation of totals, ratios, and regression coefficients. We will then cover the three variance estimators implemented in Stata's survey estimation commands. Stata with a single sampling unit, certainty sampling units, subpopulation estimation, and poststratification will also be covered. Each topic will be illustrated with an example in a Stata session.

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CE_35T

**Wed, 8/6/08, 10:00 AM -
11:45 AM**

HY-Capitol Ballroom 3

Nonparametric Regression Modeling in SAS Software - Continuing Education - CTW

ASA

Instructor(s): Weijie Cai, SAS Institute Inc.

Nonparametric modeling is widely employed in modern statistical analysis in cases where only limited knowledge of the underlying model is available. You can use nonparametric modeling to discover nonlinear dependencies in your data, enabling you to develop parsimonious parametric models. This workshop is intended for a broad audience of statisticians and data analysts who are interested in nonparametric regression modeling. In it, I will describe methods and SAS tools for fitting local regression models with the LOESS procedure, penalized spline models with the

TRANSREG procedure, thin-plate spline models with the TPSPLINE procedure, generalized additive models with the GAM procedure, penalized spline and radial basis function models using a mixed model approach with the GLIMMIX procedure, and selected basis functions models with the GLMSELECT procedure. The audience should have a basic understanding of regression theory.

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CE_36T

Wed, 8/6/08, 10:00 AM - 11:45 AM

HY-Capitol Ballroom 7

Introduction to CART: Data Mining with Decision Trees - Continuing Education - CTW

ASA

Instructor(s): Mikhail Golovnya, Salford Systems

This course, intended for the applied statistician wanting to understand and apply the CART methodology for tree-structured nonparametric data analysis, will emphasize practical data analysis involving classification. All concepts will be illustrated using real-world examples. The course will begin with an intuitive introduction to tree-structured analysis. Working through examples, we will review how to read CART output and set up basic analysis. This session will include performance evaluation of CART trees and cover ways to search for possible improvements of the results. Once a basic working knowledge of CART has been mastered, we will focus on critical details essential for advanced CART applications, including choice of splitting criteria, choosing the best split, using prior probabilities to shape results, refining results with differential misclassification costs, the meaning of cross validation, tree growing, and tree pruning. The course will conclude with discussion of the comparative performance of CART versus other computer-intensive methods, such as artificial neural networks and statistician-generated parametric models.

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370 ●

Wed, 8/6/08, 10:30 AM - 12:20 PM

CC-708

The Analysis of Wikipedia Data - Invited - Papers

Section on Statistical Computing

Organizer(s): David Banks, Duke University

Chair(s): Eric Vance, Duke University

10:35 AM [Wikipedia as a Model for ASA Journals](#) — ■ David Banks, Duke University

11:00 AM [Quality Assurance in Information Submissions: The Case of Wikipedia](#) — ■ Robert Warren, University of Waterloo

11:25 AM [Can Statistical Learning Sustain Wikipedia's Model of Growth?](#) — ■ Edo Airoldi, Princeton University

11:50 AM Disc: Deepak Agarwal, Yahoo! Research

12:10 PM	Floor Discussion	
Add To My Program		
371  	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-601
The State of Statistics Education in Schools (K--12) Around the World - Invited - Papers		
International Association for Statistical Education , Section on Statistical Education		
<i>Organizer(s): Allan Rossman, California Polytechnic State University, Juana Sanchez, University of California, Los Angeles</i>		
<i>Chair(s): Tim Hesterberg, Google, Inc.</i>		
10:35 AM	GAISEing into the Future in New Zealand —  Chris J. Wild, University of Auckland; Nicholas J. Horton, Smith College	
11:00 AM	Efforts of Government Statistical Agencies Across the World to Complement School Curricula —  Mary Townsend, Statistics Canada	
11:25 AM	How Can IASE Have an Impact on Statistics Education in Schools? —  Larry Weldon, Simon Fraser University	
11:50 AM	Disc: Richard Scheaffer, University of Florida	
12:10 PM	Floor Discussion	
Add To My Program		
372	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-702
Noether Award Invited Session - Invited - Papers		
Noether Award Committee , Section on Nonparametric Statistics		
<i>Organizer(s): Carlos J. Morales, Wellington Management Company</i>		
<i>Chair(s): Carlos J. Morales, Wellington Management Company</i>		
10:35 AM	A New Approach to R-Estimation —  Davy Paindaveine, Université Libre de Bruxelles; Marc Hallin, Université Libre de Bruxelles	
11:20 AM	Conditional U-Statistics with Applications in Discriminant Analysis, ARMA Processes, and Hidden Markov Models —  Madan Puri, Indiana University	
12:05 PM	Floor Discussion	
Add To My Program		
373  	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-207
The Role of Statisticians in Understanding Climate Change - Invited - Papers		

Section on Statistics and the Environment, Scientific and Public Affairs Advisory Committee, WNAR, Chance

Organizer(s): David A. Marker, Westat, Inc.

Chair(s): Peter Bloomfield, North Carolina State University

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|----------|---|
| 10:35 AM | The ASA-Sponsored Workshop on Climate Change — ■ David A. Marker, Westat, Inc. |
| 11:00 AM | Democracy vs. Aristocracy in Model Projections for Climate Change — ■ Claudia Tebaldi, National Center for Atmospheric Research |
| 11:25 AM | Where Are Statisticians in the Earth System? — ■ Doug Nychka, National Center of Atmospheric Research |
| 11:50 AM | Disc: Mary C. Christman, University of Florida |
| 12:10 PM | Floor Discussion |

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374 ●

Wed, 8/6/08, 10:30 AM - 12:20 PM

CC-108

Measuring Health Care Disparities - Invited - Papers

Social Statistics Section, Section on Government Statistics, WNAR, Section on Health Policy Statistics, Section on Statistics in Epidemiology

Organizer(s): Joseph Gastwirth, The George Washington University

Chair(s): Qing Pan, The George Washington University

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|----------|--|
| 10:35 AM | Understanding Disparities Within and Among Geographical and Health Care Units — ■ Alan Zaslavsky, Harvard University Medical School |
| 11:00 AM | Application of the Peters-Belson Method for Estimating Disparities — ■ Barry I. Graubard, National Cancer Institute; Sowmya R. Rao, MGH Biostatistics Center/The Institute for Health Policy; Joseph Gastwirth, The George Washington University |
| 11:25 AM | Improved Analysis of Weight-Loss Interventions for African-American Women — ■ Justine Shults, University of Pennsylvania; Xiaoying Wu, University of Pennsylvania; Shiriki Kumanyika, University of Pennsylvania |
| 11:50 AM | Empirical Likelihood Method for Determining Nonparametric Spirometry Reference Values for Hispanic Americans — ■ Nancy L. Glenn, Texas Southern University |
| 12:15 PM | Floor Discussion |

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375 ● ▲

Wed, 8/6/08, 10:30 AM - 12:20 PM

CC-111

Recent Development in Event History Data Analysis - Invited - Papers		
SSC, Biopharmaceutical Section, WNAR		
<i>Organizer(s): Joan Hu, Simon Fraser University</i>		
<i>Chair(s): Joan Hu, Simon Fraser University</i>		
10:35 AM	Variance Estimation in Semiparametric Models with Censored Data — ■ Zhezhen Jin, Columbia University	
11:05 AM	Modeling and Analyzing Data on Recurrent and Terminal Events — ■ John Kalbfleisch, The University of Michigan	
11:35 AM	Evaluation of Treatment Effects with Recurrent Events Under Dependent Censoring — ■ Richard Cook, University of Waterloo; Jerald Lawless, University of Waterloo	
12:05 PM	Floor Discussion	
		Add To My Program
376 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-103
Bayesian Methods for Medical and Epidemiologic Studies - Invited - Papers		
WNAR, Section on Bayesian Statistical Science, Section on Statistics in Epidemiology, Biometrics Section		
<i>Organizer(s): Wesley O. Johnson, University of California, Irvine</i>		
<i>Chair(s): Wesley O. Johnson, University of California, Irvine</i>		
10:35 AM	A Bayesian Hidden Markov Model for Motif Discovery Through Joint Modeling of Genomic Sequence and ChIP-Chip Data — ■ Joseph G. Ibrahim, The University of North Carolina at Chapel Hill; Jon A.L. Gelfond, The University of Texas Health Science Center at San Antonio; Mayetri Gupta, Boston University	
11:05 AM	Empirical Bayes-Type Shrinkage Estimation in Genetic Epidemiology — ■ Bhramar Mukherjee, The University of Michigan; Nilanjan Chatterjee, National Cancer Institute	
11:35 AM	Applying Bayesian Ideas in a Multisite fMRI Study — ■ Hal Stern, University of California, Irvine	
12:05 PM	Floor Discussion	
		Add To My Program
377 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-113
Dynamic Factor Models for Real-Time Macroeconomic and Financial Forecasting - Invited - Papers		

Business and Economics Statistics Section		
<i>Organizer(s): Peter Zadrozny, Bureau of Labor Statistics</i>		
<i>Chair(s): Stuart Scott, Bureau of Labor Statistics</i>		
10:35 AM	Modeling High-Dimensional Time Series by Generalized Linear Dynamic Factor Models — ■ Manfred Deistler, Vienne University of Technology	
10:55 AM	Factor Decomposition of VARMA Models Based on Weighted Forecast-Error Covariances: Applied to Forecasting Quarterly GDP at Monthly Intervals — ■ Peter Zadrozny, Bureau of Labor Statistics; Baoline Chen, Bureau of Economic Analysis	
11:15 AM	Monthly Real-Time Estimates of Final GDP Based on an Estimated Monthly Model of Initial and Revised GDP — ■ Baoline Chen, Bureau of Economic Analysis; Peter Zadrozny, Bureau of Labor Statistics	
11:35 AM	Nowcasting UK GDP Growth: An Evaluation of Dynamic Factor Models Using Quasi Real-Time Data — ■ Jana Eklund, Bank of England; Kamath Kishore, Bank of England; Vincent Labhard, European Central Bank; Simon Price, Bank of England	
11:55 AM	NOWcasting Quarterly German GDP at Monthly Intervals Using Dynamic Factor Models — ■ Klaus Wohlrabe, Ifo Institute for Economic Research	
12:15 AM	Floor Discussion	
Add To My Program		
378  	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-703
Predicting Cancer Risk Using Flexible Methods - Invited - Papers		
Section on Risk Analysis , Section on Statistics in Epidemiology, WNAR, Section on Health Policy Statistics		
<i>Organizer(s): Amy H. Herring, The University of North Carolina at Chapel Hill</i>		
<i>Chair(s): Amy H. Herring, The University of North Carolina at Chapel Hill</i>		
10:35 AM	Risk Prediction in Hereditary Cancer Syndromes — ■ Sining Chen, Johns Hopkins University; Giovanni Parmigiani, Johns Hopkins University; Yue Yin, Genentech, Inc.; Wenyi Wang, University of California, Berkeley; Patrice Watson, Creighton University; Henry T. Lynch, Creighton University	
11:05 AM	A Colorectal Cancer Risk Prediction Tool — ■ Ruth Pfeiffer, National Cancer Institute	
11:35 AM	Building Cancer Risk Models Using Multifarious Complex Data Sources: Exploiting the Elegance of Bayes — ■ Donald A. Berry, The University of Texas M.D. Anderson Cancer Center	
12:05 PM	Floor Discussion	

		Add To My Program
379  	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-102
A New Paradigm of Statistical Data Analysis: 'Omics' Data - Invited - Papers		
Biometrics Section, Biopharmaceutical Section, WNAR		
<i>Organizer(s): Susmita Datta, University of Louisville</i>		
<i>Chair(s): Somnath Datta, University of Louisville</i>		
10:35 AM	Reverse Engineering To Construct Protein-Protein Interaction Network — ■ Susmita Datta, University of Louisville; Vasyl Pihur, University of Louisville; Somnath Datta, University of Louisville	
11:00 AM	Using 'Intelligent Systems' for Predicting Protein Function and Selecting Targets for Structural Genomics — ■ Rajesh Nair, Columbia University; Burkhard Rost, Columbia University	
11:25 AM	Regularization and Variable Selection for Data with Interdependent Structures — ■ Jun Xie, Purdue University; Lingmin Zeng, Purdue University	
11:50 AM	Statistical Proteomics Initiative: Research Initiative for Proteomics Sequence Analysis — ■ Martin McIntosh, Fred Hutchinson Cancer Research Center; Olga Vitek, Purdue University	
12:15 PM	Floor Discussion	
		Add To My Program
380  	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-205
The Black Swan: A Discussion - Invited - Panel		
The American Statistician		
<i>Organizer(s): Peter Westfall, Texas Tech University</i>		
<i>Chair(s): Peter Westfall, Texas Tech University</i>		
Abstract:	The Black Swan: A Discussion	
Panelists:	■ Aaron Brown, AQR Capital Management ■ Robert Lund, Clemson University ■ Nassim N. Taleb, Self Employed ■ S. Stanley Young, National Institute of Statistical Sciences ■ Donald B. Rubin, Harvard University	
12:15 PM	Floor Discussion	
		Add To My Program

381 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-110
Paradata, Data Quality, and the National Health Interview Survey (NHIS) - Topic Contributed - Papers		
Section on Survey Research Methods , Section on Government Statistics, Social Statistics Section		
<i>Organizer(s): James M. Dahlhamer, National Center for Health Statistics</i>		
<i>Chair(s): Jane F. Gentleman, National Center for Health Statistics</i>		
10:35 AM	Analyzing Field Notes Systematically To Better Understand Respondent Participation — Barbara Stussman, National Center for Health Statistics; ■ Catherine Simile, National Center for Health Statistics	
10:55 AM	Do You Really Mean What You Say? Doorstep Concerns and Data Quality in the National Health Interview Survey (NHIS) — ■ James M. Dahlhamer, National Center for Health Statistics; Catherine Simile, National Center for Health Statistics; Beth Taylor, National Center for Health Statistics	
11:15 AM	The 2006 National Health Interview Survey Paradata File: Overview and Applications — ■ Beth Taylor, National Center for Health Statistics	
11:35 AM	An Exploration into the Use of Paradata for Nonresponse Adjustment in a Health Survey — ■ Aaron Maitland, National Center for Health Statistics; Carolina Casas-Cordero, University of Maryland, College Park; Frauke Kreuter, University of Maryland, College Park	
11:55 AM	Disc: James Lepkowski, The University of Michigan	
12:15 PM	Floor Discussion	
		Add To My Program
382 ▲	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-212
What Can SPAIG Do for You? - Topic Contributed - Papers		
SPAIG Committee , Section on Physical and Engineering Sciences		
<i>Organizer(s): Morteza Marzjarani, Saginaw Valley State University</i>		
<i>Chair(s): Morteza Marzjarani, Saginaw Valley State University</i>		
10:35 AM	SPAIG Activities at Iowa State University — ■ Dean L. Isaacson, Iowa State University	
10:55 AM	University-Industry Demonstration Partnership — Robert Starbuck, Wyeth Research; ■ Anthony Boccanfuso, The National Academy of Sciences	
11:15 AM	Summary of Recent Salary Surveys of Statisticians — ■ Boris Iglewicz, Temple University	

11:35 AM	Strategic Partnerships and the ASA — ■ Ron Wasserstein, The American Statistical Association
11:55 AM	Partnerships with Nonprofit Research Institutions — ■ Sally C. Morton, RTI International
12:15 PM	Floor Discussion
Add To My Program	
383 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM CC-106
Novel Analyses of Large Nonrandomized Data Sets To Improve Policymaking in Health and Medicine - Topic Contributed - Papers	
Section on Health Policy Statistics, Section on Statistical Computing, Social Statistics Section	
<i>Organizer(s): Marc N. Elliott, RAND Corporation</i>	
<i>Chair(s): Katrin Hambarsoomians, RAND Corporation</i>	
10:35 AM	Geographic Area Variations in the Medicare Health Plan Era — ■ Patricia Keenan, Yale School of Public Health; A. James O'Malley, Harvard Medical School; Bruce Landon, Harvard Medical School; Paul Cleary, Yale School of Public Health; Lawrence Zaborski, Harvard Medical School; Alan Zaslavsky, Harvard University Medical School
10:55 AM	Selection into Medicare Coverage: Propensity Scores, Multiple Treatments, and Comparisons of Beneficiary Evaluations of Care — ■ Amelia Haviland, RAND Corporation; Marc N. Elliott, RAND Corporation; Katrin Hambarsoomians, RAND Corporation
11:15 AM	Comparing Additive and Hierarchical Classifications of Race/Ethnicity with Respect to Evaluations of Care — ■ David Klein, RAND Corporation; Marc N. Elliott, RAND Corporation; Amelia Haviland, RAND Corporation
11:35 AM	Improving Subgroup Comparisons of Consumer Reports by Adjusting for Differences in Extreme Response Tendency — ■ Marc N. Elliott, RAND Corporation; Amelia Haviland, RAND Corporation; David Kanouse, RAND Corporation; Katrin Hambarsoomians, RAND Corporation
11:55 AM	Comparing Traditional Instrumental Variables Estimation to Parametric Modeling of a Problem in Health Policy — ■ A. James O'Malley, Harvard Medical School; Sharon-Lise Normand, Harvard Medical School; Richard Frank, Harvard Medical School
12:15 PM	Floor Discussion
Add To My Program	
384 ● ●	Wed, 8/6/08, 10:30 AM - 12:20 PM CC-104

Statistical Issues of Thorough QT/QTc Studies in Clinical Trials - Topic Contributed - Papers

Biopharmaceutical Section, Biometrics Section

Organizer(s): Yi Tsong, U.S. Food and Drug Administration

Chair(s): Mark Levenson, U.S. Food and Drug Administration

10:35 AM	New Methods on QT Correction — ■ Bin Cheng, Columbia University
10:55 AM	Exploration of Covariance Structure for TQT Study — ■ Xiaodong Li, Merck & Co., Inc.
11:15 AM	Statistical Issues of QT Prolongation Assessment Based on Linear Concentration Modeling — ■ Yi Tsong, U.S. Food and Drug Administration; MeiYu Shen, U.S. Food and Drug Administration; Zhong Jinglin, U.S. Food and Drug Administration; Joanne Zhang, U.S. Food and Drug Administration
11:35 AM	Disc: Joanne Zhang, U.S. Food and Drug Administration
12:15 PM	Floor Discussion

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385

Wed, 8/6/08, 10:30 AM - 12:20 PM

CC-101

Causal Inference: Advances and Applications - Topic Contributed - Papers

Biometrics Section, Section on Nonparametric Statistics, Biopharmaceutical Section, Section on Bayesian Statistical Science, Section on Health Policy Statistics

Organizer(s): Jing Cheng, University of Florida

Chair(s): Ben Hansen, The University of Michigan

10:35 AM	Semiparametric Estimation and Inference for Distributional and General Treatment Causal Effects — ■ Jing Cheng, University of Florida; Jing Qin, National Institute of Allergies and Infectious Diseases; Biao Zhang, The University of Toledo
10:55 AM	Understanding Mediation Using Principal Stratification — ■ Michael R. Elliott, The University of Michigan; Trivellore Raghunathan, The University of Michigan
11:15 AM	An Integrated Nonparametric Approach to Missing Data in Causal Inference — ■ Jennifer Hill, Columbia University; Robert McCulloch, The University of Chicago
11:35 AM	Deconfounding Small Quasi-Experiments Using Propensity Scores and Other Dimension Reduction Techniques — ■ Yevgeniya Kleyman, The University of Michigan; Ben Hansen, The University of Michigan
11:55 AM	The Malaria Attributable Fraction: Definition, Inference, and Sensitivity Analysis — ■ Dylan Small, University of Pennsylvania

12:15 PM	Floor Discussion	
		Add To My Program
386  	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-709
Recent Development of Bayesian Methods for Missing Data - Topic Contributed - Papers		
Section on Bayesian Statistical Science, Section on Survey Research Methods, Section on Health Policy Statistics		
<i>Organizer(s): Ming-Hui Chen, University of Connecticut</i>		
<i>Chair(s): Ming T. Tan, University of Maryland Greenebaum Cancer Center</i>		
10:35 AM	Diagnostic Measures for Generalized Linear Models with Missing Covariates —  Hongtu Zhu, The University of North Carolina at Chapel Hill; Joseph G. Ibrahim, The University of North Carolina at Chapel Hill; Xiaoyan Shi, The University of North Carolina at Chapel Hill	
10:55 AM	An Exact Noniterative Sampling Procedure for Discrete Missing Data Problems —  Guo-Liang Tian, University of Maryland Greenebaum Cancer Center; Kai Wang Ng, The University of Hong Kong; Ming T. Tan, University of Maryland Greenebaum Cancer Center	
11:15 AM	Bayesian Variable Selection for Modeling Repeated Binary Responses and Time-Dependent Missing Covariates —  Fang Yu, University of Nebraska; Ming-Hui Chen, University of Connecticut; Lan Huang, National Cancer Institute; Gregory J. Anderson, University of Connecticut	
11:35 AM	A Joint Modeling Approach to Repeated Measures of Mixed Data Types —  W. John Boscardin, University of California, Los Angeles; Xiao Zhang, The University of Alabama at Birmingham; Tom Belin, University of California, Los Angeles	
11:55 AM	Bayesian Structural Equations Models for Longitudinal Surveys Data with Missing Responses and Covariates —  Ming-Hui Chen, University of Connecticut; Sonali Das, The Council for Scientific and Industrial Research; Sung Duk Kim, National Institute of Child Health and Human Development; Nicholas Warren, University of Connecticut Health Center	
12:15 PM	Floor Discussion	
		Add To My Program
387	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-704
L-Moments: Recent Developments in Theory and Applications - Topic Contributed - Papers		
Section on Nonparametric Statistics, IMS		
<i>Organizer(s): Jonathan Hosking, IBM T. J. Watson Research Center</i>		

<i>Chair(s): Robert Serfling, The University of Texas at Dallas</i>		
10:35 AM	Parameter Estimation for General Univariate Distributions Using the Method of L-Moments — ■Jonathan Hosking, IBM T. J. Watson Research Center	
10:55 AM	Algorithms and Results for a CPU-Intensive, L-Moment-Based Approach Using R for Regionalized Flood Estimation in Texas — ■William H. Asquith, U.S. Geological Survey	
11:15 AM	Improving Probability-Weighted Moment Methods for the Generalized Extreme Value Distribution — ■Armelle Guillou, Université de Strasbourg 1, IRMA; Jean Diebolt, Université de Marne-La-Vallée; Philippe Naveau, Laboratoire des Sciences du Climat et de l'Environnement; Pierre Ribereau, Université de Montpellier	
11:35 AM	Multivariate Extension of L-Moments via L-Comoments and Applications — ■Peng Xiao, East Carolina University; Robert Serfling, The University of Texas at Dallas	
11:55 AM	Disc: H.N. Nagaraja, The Ohio State University	
12:15 PM	Floor Discussion	
		Add To My Program
388 ● ▲	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-705
Where Training Diverges: Nontraditional Paths to Statistical Consulting - Topic Contributed - Papers		
Section on Statistical Consulting		
<i>Organizer(s): Dale Glaser, Glaser Consulting/SDSU/AIU/USD</i>		
<i>Chair(s): Carmen Radecki-Breitkopf, The University of Texas Medical Branch</i>		
10:35 AM	Application of Statistics and Measurement in the Social Sciences — ■Dale Glaser, Glaser Consulting/SDSU/AIU/USD	
10:55 AM	The Best of Both Worlds: Medical Science and Statistics — ■Nicole Close, EmpiriStat, Inc.	
11:15 AM	Psychological Scientist and Statistical Consultant: Developing and Maintaining a Dual-Career Identity — ■Todd Bodner, Portland State University/Elenchus, Inc.	
11:35 AM	Rounding Out the Numbers: Mixed Methods in Public Health Investigations — ■Lillian S. Lin, Centers for Disease Control and Prevention; Kimberlee Elmore, Centers for Disease Control and Prevention; Jennifer Galbraith, Centers for Disease Control and Prevention; Thomas M. Painter, Centers for Disease Control and Prevention	
11:55 AM	Statistical Consulting in Natural Resource Management — ■Albert N. Hendrix, R2 Resource Consultants, Inc.	

12:15 AM	Floor Discussion	
		Add To My Program
389  	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-203
Counting the Dead in Iraq - Topic Contributed - Papers		
Section on Statistics in Epidemiology , Section on Nonparametric Statistics, Section on Statisticians in Defense and National Security, Section on Survey Research Methods, Social Statistics Section, Scientific and Public Affairs Advisory Committee, Biometrics Section		
<i>Organizer(s): David Kane, Harvard University</i>		
<i>Chair(s): Jana Asher, Carnegie Mellon University</i>		
10:35 AM	Iraq Data on Mortality: What Can We Believe? —  Safaa R. Amer, National Opinion Research Center	
10:55 AM	Ethical and Data-Integrity Problems in the Second Lancet Survey of Mortality in Iraq —  Michael Spagat, Royal Holloway, University of London	
11:15 AM	Methods for Measuring Mortality in Conflicts: A Comparative Analyses of D.R. Congo, Iraq, and Darfur — Debarati Guha-Sapir, University of Louvain;  Olivier Degomme, University of Louvain	
11:35 AM	Nonviolence-Related Mortality in Iraq: Evidence from Iraq Family Health Survey (IFHS) —  Mohamed M. Ali, WHO-MHI	
11:55 AM	Disc: David Kane, Harvard University	
12:15 PM	Floor Discussion	
		Add To My Program
390 	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-711
Collaborative Projects in Statistics Education Research - Topic Contributed - Panel		
Section on Statistical Education		
<i>Organizer(s): Robert delMas, The University of Minnesota</i>		
<i>Chair(s): Robert delMas, The University of Minnesota</i>		
Abstract:	Collaborative Projects in Statistics Education Research	
Panelists:	 Sterling Hilton, Brigham Young University  Jennifer Kaplan, Michigan State University  Tisha Hooks, Winona State University  Leigh Harrell, Virginia Polytechnic Institute and State University  Diane Fisher, University of Louisiana at Lafayette	
12:15 PM	Floor Discussion	

		Add To My Program
391 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-105
Applications in Health Sciences - Contributed - Papers		
ENAR, Biometrics Section		
<i>Chair(s): Al M. Best, Virginia Commonwealth University</i>		
10:35 AM	Impact of Inspection Errors on Average Run Length of CUSUM Charts — ■ Yougui Wu, University of South Florida; Yiliang Wu, University of South Florida; Wang Wei, University of South Florida	
10:50 AM	Bayesian Distributed Lag Models — ■ Mark J. Meyer, American University; Elizabeth J. Malloy, American University; Sara D. Adar, University of Washington; Brent A. Coull, Harvard School of Public Health	
11:05 AM	Estimating Benefits Due to Fecal Occult Blood Test in Colorectal Cancer Screening — ■ Dongfeng Wu, University of Louisville; Gary L. Rosner, The University of Texas M.D. Anderson Cancer Center	
11:20 AM	A Gene Selection Method for GeneChip Array Data with Small Sample Sizes — ■ Zhongxue Chen, The Children's Hospital of Philadelphia	
11:35 AM	Telescoping Determinant Plots as an Index of Cognitive Information Accounted for in Electrophysiological Visual Evoked Response Data — ■ Daniel S. Barron, Brigham Young University; Bruce L. Brown, Brigham Young University; Dawson W. Hedges, Brigham Young University	
11:50 AM	Floor Discussion	
		Add To My Program
392 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-202
ROC and Diagnostic Methods - Contributed - Papers		
Biometrics Section, Section on Nonparametric Statistics		
<i>Chair(s): Krishna Saha, Central Connecticut State University</i>		
10:35 AM	Nonparametric Estimation for Time-Dependent AUC — ■ Hung Hung, National Taiwan University	
10:50 AM	Tree-Structured Analysis for Determining Optimal Diagnostic Tests for Patients — ■ Caixia Li, University of California, San Francisco; Ying Lu, University of California, San Francisco	
11:05 AM	Using Marginal ANOVA Models To Motivate, Generalize, and Derive Properties for the Obuchowski-Rockette Procedure for Multireader ROC Data Analysis — ■ Stephen Hillis, VA Iowa City Medical Center	

11:20 AM	Time-Dependent Receiver Operating Characteristic (ROC) Curves for Design of Early Alzheimer's Disease Trials — ■Norberto Pantoja-Galicia, Harvard University; Rebecca Betensky, Harvard University
11:35 AM	Estimation for the Optimal Combination of Markers Without Modeling the Censoring Distribution — ■Chin-Tsang Chiang, National Taiwan University
11:50 AM	Probability Sampling Framework for Survival Analysis with Time-Varying Covariates — ■Stephen L. Rathbun, The University of Georgia
12:05 PM	A Bayesian Framework for Assessing Longitudinal Agreement Between Two Continuous-Scale Diagnostic Tests in the Presence of Established Thresholds — ■Farzad Noubary, Harvard School of Public Health; Michael Hughes, Harvard School of Public Health

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Wed, 8/6/08, 10:30 AM - 12:20 PM

CC-112

Which Way To Weight? Bias vs. Variance - Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section

Chair(s): Hyunshik Lee, Westat, Inc.

10:35 AM	Weight Smoothing Models in Clustered or Cross-Classed Sample Designs — ■Shelby (Xiaobi) Huang, The University of Michigan; Marc N. Elliott, RAND Corporation
10:50 AM	An Empirical Comparison of Procedures for Reducing Bias Due to Weighting Cell Collapsing — ■Linda Tompkins, National Center for Health Statistics; Jay J. Kim, National Center for Health Statistics
11:05 AM	Weight Development for Outliers in a Panel Sample — ■Yan K. Liu, Statistics of Income, IRS; Fritz Scheuren, The University of Chicago; Victoria Bryant, Statistics of Income, IRS
11:20 AM	Alternative Methods To Adjust for Nonresponse in the American Community Survey (ACS) — ■Robyn Sirkis, U.S. Census Bureau
11:35 AM	Evaluating Alternative Use of Population Controls for American Community Survey Weighting Methodology — ■Mark E. Asiala, U.S. Census Bureau; Michael Beaghen, U.S. Census Bureau; Keith Albright, U.S. Census Bureau
11:50 AM	Estimation for a Multipurpose and Multiframe Survey: The National Immunization Survey - Adult — ■Hee-Choon Shin, National Opinion Research Center; Noelle-Angelique Molinari, National Center for Immunization and Respiratory Diseases; Meena Khare, National Center for Health Statistics; Kirk Wolter, National Opinion Research Center

12:05 PM	Analyzing Weighting Methods in the Federal Human Capital Survey — ■ Taylor H. Lewis, U.S. Office of Personnel Management; Katie Joseph, U.S. Office of Personnel Management; Eulus Moore, U.S. Office of Personnel Management	
		Add To My Program
394 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-107
Alternative Measures of Association - Contributed - Papers		
Section on Statistics in Epidemiology, Biometrics Section		
<i>Chair(s): Owen J. Devine, Centers for Disease Control and Prevention</i>		
10:35 AM	On Effect-Measure Modification: Relationships Among Changes in the Relative Risk, Odds Ratio, and Risk Difference — ■ Babette A. Brumback, University of Florida; Arthur Berg, University of Florida	
10:50 AM	A Generalized Estimator of the Attributable Benefit of an Optimal Treatment Regime — ■ Jason Brinkley, North Carolina State University; Anastasios Tsiatis, North Carolina State University; Kevin Anstrom, Duke Clinical Research Institute	
11:05 AM	Estimating Model-Adjusted Risk and Prevalence Ratios from Survey Data in SUDAAN® Release 10 — Gayle Bieler, RTI International; ■ Rick L. Williams, RTI International; George G. Brown, RTI International	
11:20 AM	Evaluation of Population Attributable Risk in the Presence of Competing Causes — ■ Jie Huang, Northwestern University	
11:35 AM	Changing the Reference Group in Published Odds Ratios for Multilevel Categorized Exposures in Preparation for Meta-Analysis — ■ Monika M. Wahi, Byrd Alzheimer's Institute; Skai W. Schwartz, USF COPH	
11:50 AM	Generalized Linear Mixed Models in Oral Health Research — ■ Ileana Baldi, University of Torino; Dario Gregori, University of Torino	
12:05 PM	On the Confidence Interval Estimates of Impact Numbers for Cross-Sectional Sampling Schemes — ■ Tanweer Shapla, Eastern Michigan University	
		Add To My Program
395 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-109
Association of Genetic Factors with Outcome - Contributed - Papers		
Section on Statistics in Epidemiology, Biopharmaceutical Section, Biometrics Section		
<i>Chair(s): E. Paul Wileyto, University of Pennsylvania</i>		

10:35 AM	Analysis of Population-Based Genetic Association Studies Using Propensity Scores — ■ Huaqing Zhao, University of Pennsylvania; Nandita Mitra, University of Pennsylvania; Timothy R. Rebbeck, University of Pennsylvania
10:50 AM	Application of Statistical Methods in Detecting Gene-Gene Interactions for a Cancer Case-Control Study — ■ Hui Zhao, The University of Texas M.D. Anderson Cancer Center; Qingyi Wei, The University of Texas M.D. Anderson Cancer Center
11:05 AM	Relationship Between Chronic Obstructive Pulmonary Disease and TLR4 Polymorphism (Asp299Gly)-BMI Interaction in a Canadian Population — ■ Punam Pahwa, University of Saskatchewan; Donna Rennie, University of Saskatchewan; Chandima P. Karunanayake, University of Saskatchewan; James Dosman, University of Saskatchewan; Claire F. McGuigan, University of Saskatchewan
11:20 AM	The Effects of Genetic and Environmental Factors on Longitudinal Changes in Pulmonary Function Values in a Rural Population: The Humboldt Study — ■ Chandima P. Karunanayake, University of Saskatchewan; Punam Pahwa, University of Saskatchewan; Donna Rennie, University of Saskatchewan; James Dosman, University of Saskatchewan; Claire F. McGuigan, University of Saskatchewan
11:35 AM	Application of Bayesian Classification with Singular Value Decomposition Method in a Genome-Wide Association Study — ■ Soonil Kwon, Cedars-Sinai Medical Center; Xiuqing Guo, Cedars-Sinai Medical Center
11:50 AM	A New Estimate of Family Disease History Providing Improved Prediction of Disease Risks — ■ Rui Feng, The University of Alabama at Birmingham; Leslie McClure, The University of Alabama at Birmingham; Hemant K. Tiwari, The University of Alabama at Birmingham; George Howard, The University of Alabama at Birmingham
12:05 PM	Selection Bias and Imputation in Genetic Association Analyses of Time-to-Event Data in Framingham Offspring Study — ■ Xiaoyan Yin, Boston University; Martin G. Larson, Boston University

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396 ● ▲

Wed, 8/6/08, 10:30 AM - 12:20 PM

CC-712

From Teaching Business Students to Teaching Paradoxes - Contributed - Papers

Section on Statistical Education

Chair(s): Adam Molnar, Bellarmine University

10:35 AM [Strategies for Increasing the Effectiveness of Statistics Teaching in Business Curricula](#) — ■ Bodapati V. Gandhi, University of Puerto Rico

10:50 AM	A 2005--2006 Senior Fulbright Outreach to Lviv Ukraine, Improving Business Decisionmaking with Statistical Methods — ■ J. Marcus Jobe, Miami University
11:05 AM	Sampling from Finite Multivariate Populations — ■ Bruce Barrett, The University of Alabama
11:20 AM	Plate Expectations: A Dickens of a Problem — ■ Milton W. Loyer, The Pennsylvania State University
11:35 AM	Are Textbooks Fairly Priced? — ■ David P. Doane, Oakland University; Lori E. Seward, University of Colorado Denver
11:50 AM	A Counterintuitive Regression Phenomenon — ■ Thomas Bengtsson, Bell Labs, Alcatel-Lucent; Aiyou Chen, Bell Labs, Alcatel-Lucent; Tin K. Ho, Bell Labs, Alcatel-Lucent
12:05 PM	Floor Discussion

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Wed, 8/6/08, 10:30 AM - 12:20 PM

CC-706

Inference and Estimation - Contributed - Papers

Section on Statistical Computing

Chair(s): Ganesh Subramaniam, AT&T Labs - Research

10:35 AM	A Generalized Single-Stage Algorithm To Compute Shortest Confidence Intervals — ■ Ming Yang, The University of Iowa; Richard Dykstra, The University of Iowa
10:50 AM	Statistical Power of Two Tests for Comparing Vaccination Coverage Curves, National Immunization Survey (NIS) — ■ Zhen Zhao, Centers for Disease Control and Prevention
11:05 AM	Assessment of Normality Tests for ANOVA and Multilevel Models Under Small Samples — ■ Yi-Ting Hwang, National Taipei University; Chun-Chao Wang, National Taipei University
11:20 AM	Comparison of the Test for Normality Using Goodness-of-Fit Test Based on the Likelihood Ratio — ■ Ampai Thongteeraparp, Kasetsart University; Sirithip Wasinrat, Chandrakasem Rajabhat University
11:35 AM	Estimating Reliability and Comparing Its Estimators — ■ Mohammed A. Shayib, Prairie View A&M University; Aliakbar M. Haghghi, Prairie View A&M University
11:50 AM	Tolerance Limits for the Distribution of the Difference Between Two Independent Normal Random Variables — ■ Sumona Mondal, Clarkson University; Xiadong Lian, University of Louisiana at Lafayette; K. Krishnamoorthy, University of Louisiana at Lafayette

12:05 PM	Floor Discussion	
		Add To My Program
398 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-701
Advances in Computer Experiments - Contributed - Papers		
Section on Physical and Engineering Sciences		
<i>Chair(s): Greg F. Piepel, Pacific Northwest National Laboratory</i>		
10:35 AM	Two-Stage Group Screening for Computer Experiments — ■Hyejung Moon, The Ohio State University; Thomas J. Santner, The Ohio State University; Angela M. Dean, The Ohio State University	
10:50 AM	Simultaneous Determination of Calibration and Tuning Parameters — ■Gang Han, The Ohio State University; Thomas J. Santner, The Ohio State University	
11:05 AM	Sequential Calibration of Computer Models — ■Arun Kumar, The Ohio State University; William Notz, The Ohio State University	
11:20 AM	Modeling and Estimation of Physical Simulation Parameters in Data Assimilation — ■Kazuyuki Nakamura, The Institute of Statistical Mathematics; Tomoyuki Higuchi, The Institute of Statistical Mathematics	
11:35 AM	Dynamically Consistent Sequence-Based Data Assimilation — ■Neil Martinsen-Burrell, Wartburg College	
11:50 AM	Floor Discussion	
		Add To My Program
399 ●	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-707
Bayesian Computational Statistics - Contributed - Papers		
Section on Bayesian Statistical Science, Section on Statistical Computing		
<i>Chair(s): Joyee Ghosh, Duke University</i>		
10:35 AM	New Perspectives on the Estimation of Normalizing Constants via Posterior Simulations — ■Giovanni Petris, University of Arkansas; Luca Tardella, Università di Roma "La Sapienza"	
10:50 AM	Geometric Ergodicity of Hybrid Samplers for Ill-Posed Inverse Problems — ■Radu Herbei, The Ohio State University; Ian W. McKeague, Columbia University	
11:05 AM	A Copula-Based Adaptive MCMC Sampler — ■Georges Tsafack, Suffolk University; Yves F. Atchade, The University of Michigan	

11:20 AM	Partially Bayesian Variable Selection in Classification Trees — ■ Douglas A. Noe, Miami University; Xuming He, University of Illinois at Urbana-Champaign
11:35 AM	Mechanism-Based Emulation of Dynamic Simulators: Concept and Application in Hydrology — ■ Peter Reichert, Eawag
11:50 AM	Bayesian Boundary Restoration Using Splines — ■ Larissa Stanberry, University of Washington
12:05 PM	Bayesian Transductive and Semi-Supervised Learning — ■ Sounak Chakraborty, University of Missouri-Columbia

		Add To My Program
400	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-710

Statistical Analysis of Time-Indexed Data - Contributed - Papers

IMS, Section on Nonparametric Statistics

Chair(s): Al Ozonoff, Boston University School of Public Health

10:35 AM	On Optimal Maximum Likelihood Estimation for Locally Stationary Long-Memory Processes — ■ Jan Beran, University of Konstanz
10:50 AM	On the Maximum of Some Processes with Negative Drift and Heavy Tail Innovations — ■ William P. McCormick, The University of Georgia
11:05 AM	Regularized Autoregressive Frequency Estimation — ■ Bei Chen, University of Waterloo; Yulia R. Gel, University of Waterloo
11:20 AM	Asymptotic Properties of Hill's Estimator for Shot Noise Sequence — ■ Chenhua Zhang, Colorado State University
11:35 AM	Random Partition Masking Model for Censored and Masked Competing Risks Data — ■ Qiqing Yu, Binghamton University; Hao Qin, Binghamton University; Jiaping Wang, Binghamton University
11:50 AM	Floor Discussion

		Add To My Program
401	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-204

Robust Estimation for Skewed and Heavy-Tailed Distributions - Contributed - Papers

Biometrics Section, Section on Nonparametric Statistics

Chair(s): Michael Pennell, The Ohio State University

10:35 AM	The Epsilon-Skew Laplace Distribution — ■ Hassan Elsalloukh, University of Arkansas at Little Rock
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10:50 AM	Three-Step Estimation in Linear Mixed Models with Skew-T Distributions — ■ Tianyue Zhou, sanofi-aventis; Xuming He, University of Illinois at Urbana-Champaign
11:05 AM	On the Use of Optimal Discovery Procedure in Skewed Distributions — ■ Igor Melnykov, Colorado State University, Pueblo
11:20 AM	Heavy-Tailed Distributions in Quantitative Trait Genetics — ■ Serge Sverdlov, University of Washington
11:35 AM	Robust Estimation for Finite Mixture Regression Models with Random Effects via the Minimum Hellinger Distance Approach — ■ Liming Xiang, Nanyang Technological University, Singapore
11:50 AM	A New Method for Estimating Regression Parameters with Repeated Runs — ■ Howraa Majeed, University of Arkansas at Little Rock; Hassan Elsalloukh, University of Arkansas at Little Rock; Shawki Shaker Hussain, University of Baghdad
12:05 PM	Estimation of False Discovery Rate Using Skew-Mixture Models — ■ Anindya Roy, University of Maryland, Baltimore County; Subhashis Ghosal, North Carolina State University

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Wed, 8/6/08, 10:30 AM - 12:20 PM

CC-210

Models, Measurements, and Methods - Contributed - Papers

General Methodology

Chair(s): Katherine Furgol, The University of Iowa

10:35 AM	Optimizing Smoothness Kernel Size for the Smoothed Variance T-Test — ■ Hui Zhang, The University of Michigan; Timothy D. Johnson, The University of Michigan; Thomas E. Nichols, GlaxoSmithKline Clinical Imaging Centre
10:50 AM	Normal-Based Methods for a Gamma Distribution: Prediction and Tolerance Intervals and Stress-Strength Reliability — ■ Shubhabrata Mukherjee, Virginia State University; K. Krishnamoorthy, University of Louisiana at Lafayette; Thomas Mathew, University of Maryland, Baltimore County
11:05 AM	The Effect of Toeplitz Structure on the Power of Multivariate Significance Tests in a MANOVA — ■ Jessica H. Scott, Brigham Young University; Bruce L. Brown, Brigham Young University
11:20 AM	Exact Bounded Risk Estimation When the Terminal Size and Estimator Are Dependent: The Gamma Case — ■ Kevin P. Tolliver, Auburn University; David M. Carpenter, Auburn University

11:35 AM	An Empirical Approach to Sufficient Similarity in Dose-Responsiveness: Utilization of Statistical Distance as a Similarity Measure — ■ Scott Marshall, Virginia Commonwealth University; Chris Gennings, Virginia Commonwealth University; LeAnna G. Stork, Monsanto Company; Linda Teuschler, U.S. Environmental Protection Agency; John Libscomb, U.S. Environmental Protection Agency; Mike DeVito, U.S. Environmental Protection Agency; Kevin M. Crofton, U.S. Environmental Protection Agency	
11:50 AM	Floor Discussion	
Add To My Program		
403	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-206
Multiple Comparisons and Simultaneous Inference Methods - Contributed - Papers		
Biometrics Section, Biopharmaceutical Section, IMS		
<i>Chair(s): Terri Johnson, Centers for Disease Control and Prevention</i>		
10:35 AM	A Geometric Interpretation of Permutation P-Value and Its Application — ■ Wei Sun, The University of North Carolina at Chapel Hill; Fred Wright, The University of North Carolina at Chapel Hill	
10:50 AM	Estimating the Proportion of True Null Hypotheses Using the Pattern of the Observed P-Values — ■ Tiejun Tong, University of Colorado, Boulder; Zeny Feng, University of Guelph; Hongyu Zhao, Yale University School of Medicine	
11:05 AM	Monotone Multiple Testing Procedures and Implications of Monotonicity — ■ Alexander Y. Gordon, The University of North Carolina, Charlotte	
11:20 AM	Simultaneous Confidence Bands for Multidimensional Effective Doses in Chemical Mixture Models — ■ Gemechis D. Djira, South Dakota State University; Din Chen, South Dakota State University	
11:35 AM	Adaptive Choice of the Number of Bootstrap Samples in Large-Scale Multiple Testing — ■ Wenge Guo, National Institute of Environmental Health Science; Shyamal Peddada, National Institute of Environmental Health Science	
11:50 AM	A Higher Dimension Multiplicity Adjustment Method When Testing for Multiple Response Variables — ■ Mohammad Quasem, Howard University; Mohammad F. Huque, U.S. Food and Drug Administration; Atiar Rahman, U.S. Food and Drug Administration	
12:05 PM	Surrogate Variable Analysis — ■ Jeffrey Leek, Mount Sinai School of Medicine; John Storey, Princeton University	
Add To My Program		

404	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-201
Sample Size Issues in Drug Research and Development - Contributed - Papers		
Biopharmaceutical Section, Biometrics Section		
<i>Chair(s): Jin Xu, Merck & Co., Inc.</i>		
10:35 AM	Bayesian Sample Size Determination for Confirmatory Trial — ■Qin Pan, ICON Clinical Research; Charles DuMond, ICON Clinical Research	
10:50 AM	A Multivariate Approach to Sample Size Calculations for Thorough QT Studies — ■Sharon C. Murray, GlaxoSmithKline; Suraj P. Anand, North Carolina State University; Gary G. Koch, The University of North Carolina at Chapel Hill	
11:05 AM	Sample Size for Identifying Differentially Expressed Genes in Microarray Experiment — ■Zhaoyu Luo, Rutgers, The State University of New Jersey; Javier Cabrera, Rutgers, The State University of New Jersey; Xiang Yu, Merck Reserach Laboratories; Peggy Wong, Merck Research Laboratories	
11:20 AM	The Minimum Required Number of Clusters for Cluster Randomized Trials — ■Zhiying You, The University of Alabama at Birmingham; Gary Cutter, The University of Alabama at Birmingham	
11:35 AM	Sample Size Calculation for an Agreement Study — ■Jason Liao, Merck Research Laboratories	
11:50 AM	An Optimal Group Size Ratio for Many-to-One Comparisons in Clinical Trials — ■Jianliang Zhang, MedImmune, Inc.	
12:05 PM	On Adaptive Trial Simulations — ■William W. Wang, Merck & Co., Inc.	
		Add To My Program
405	Wed, 8/6/08, 10:30 AM - 12:20 PM	CC-F Lobby
Contributed Poster Presentations - Contributed - Poster Presentations		
Biometrics Section, Biopharmaceutical Section, Business and Economics Statistics Section, ENAR, IMS, Section on Nonparametric Statistics, Section on Quality and Productivity, Section on Statistical Computing, Section on Statistical Graphics, Section on Statisticians in Defense and National Security, Section on Statistics and Marketing, Section on Statistics and the Environment, Section on Statistics in Epidemiology, WNAR		
<i>Organizer(s): John Castelloe, SAS Institute Inc.</i>		
<i>Chair(s): John Castelloe, SAS Institute Inc.</i>		
Poster Topic: <i>Incomplete data analysis, imputation methods:</i>		

33:	An Application of Multiple Partial Imputation to Analysis of Longitudinal Quality-of-Life Data — ■Paul Kolm, Christiana Care Health System; Wei Zhang, Christiana Care Health System; John Spertus, Mid American Heart Institute; William Weintraub, Christiana Care Health System
34:	Imputation of Missing Items for the Scale Variables Using Item Response Theory Models — ■Jian Zhu, The University of Michigan; Trivellore Raghunathan, The University of Michigan; Raymond Bingham, The University of Michigan
35:	A Comparison of Multiple and Single Imputation Algorithms for Missing Data in Quadratic Discriminant Function — ■Page C. Moore, University of Arkansas for Medical Sciences; Songthip Ounpraseuth, University of Arkansas for Medical Sciences; Dean Young, Baylor University
36:	Imputation of Nondetects in Environmental Concentration Measurements — ■John W. Rogers, Westat, Inc.
Poster Topic: <i>Linear models, GLMs, parametric methods:</i>	
37:	Exact and REML-Based Confidence Intervals for Variance Components Using Non-Normal Distributions — ■Brent Burch, Northern Arizona University
38:	Restricted Heteroscedastic IV Estimators: A Simulation with Small Samples — ■Luis Frank, University of Buenos Aires
40:	A Single-Step Modified Bonferroni Procedure for Multiple Tests — ■Michelle A. Roozeboom, Iowa Foundation for Medical Care; Daniel Mundfrom, University of Northern Colorado; Jamis Perrett, Texas A&M University
41:	Regression Analysis for Line Scale Data in Sensory Science — ■Lin Xie, Kansas State University; Rui Xiong, Unilever Home & Personal Care
42:	Model-Building for Mixed-Effects Models with Random Scale Effects — ■Lei Shu, Purdue University; William Cleveland, Purdue University
43:	Modeling Generalized Linear Mixed Models in S-PLUS, R, and SAS — ■Stella Karuri, Insightful Corporation; Tim Hesterberg, Google, Inc.; Chris Fraley, Insightful Corporation
44:	Measuring Goodness-of-Fit for Generalized Linear Models — ■Yves Chretien, Harvard University; Carl Morris, Harvard University
45:	Comparison of Generalized Linear Models To Evaluate Factors Associated with Metabolic Syndrome — ■Desta B. Fekedulegn, National Institute for Occupational Safety and Health; Michael E. Andrew, National Institute for Occupational Safety and Health; John M. Violanti, The State University of New York at Buffalo; Tara A. Hartley, National Institute for Occupational Safety and Health; Luenda E. Charles, National Institute for Occupational Safety and Health; Cecil M. Burchfiel, National Institute for Occupational Safety and Health

Poster Topic: <i>Longitudinal data, repeated measurements, and meta-analysis:</i>	
46:	Joint Distribution of Parametric and Nonparametric Parameters in Longitudinal Factorial Designs — ■ Terri Wooten, University of Arkansas for Medical Sciences; D. Keith Williams, University of Arkansas for Medical Sciences; Zoran Bursac, University of Arkansas for Medical Sciences
47:	Correlated Binary Data: A Comparison of Analytic Approaches for the Analysis of Patient-Reported Outcomes in Diarrhea-Predominant Irritable Bowel Syndrome — ■ Norman Bohidar, Johnson & Johnson Pharmaceutical R&D, LLC; Mary Ellen Frustaci, Johnson & Johnson Pharmaceutical R&D, LLC; Surya Mohanty, Johnson & Johnson Pharmaceutical R&D, LLC
48:	GEE Performance in Analyzing Longitudinal Binary Data Collected Over Unequal Time Intervals — ■ Soe Soe Thwin, Boston University Medical Center; David Gagnon, Boston University School of Public Health; Howard Cabral, Boston University School of Public Health; Adrienne Cupples, Boston University School of Public Health
49:	Capturing Group Membership via Growth Mixture Models: A Simulation Study — ■ Kevin Delucchi, University of California, San Francisco; Alan Bostrom, University of California, San Francisco
Poster Topic: <i>Mathematical statistics, distribution theory, robust statistics:</i>	
50:	Pseudo Likelihoods for Nonlinear Regression Models — ■ Harshini Fernando, Purdue University North Central
51:	On Interval Estimations for a Dichotomized Variable Derived from a Continuous Measure — ■ Jessica L. Kim, U.S. Food and Drug Administration; Jean Wang, U.S. Food and Drug Administration
52:	Shrinkage Drift Parameters Estimation for Multifactors Ornstein-Uhlenbeck Processes — ■ Ejaz S. Ahmed, University of Windsor; Severien Nkurunziza, University of Windsor
53:	Bivariate and Multivariate Association Coefficients — ■ Nan Kong, Educational Testing Services
54:	Heterogeneous Variance Models and Their Applications in Parameter Designs — ■ Fasil Nebebe, Concordia University
Poster Topic: <i>Medical devices:</i>	
55:	Residual Analysis for Detecting Mismodeling in fMRI — ■ Ji Meng Loh, Columbia University
56:	Receiver Operating Curves (ROC) in the Evaluation of Diagnostic Accuracy in Medical Devices — ■ Inder Sharma, Sharma Associates, Inc.
57:	Assay Performance Comparison — Victoria Petrides, Abbott Laboratories; ■ Susan Gawel, Abbott Laboratories; Anthony Orzechowski, Abbott Laboratories; Theresa Garwood, Abbott Laboratories

58:	Methods for Comparing Biomarkers for Aid-in-Diagnosis and Prediction — ■ Sarah Hurwicz Kogut, i3 Statprobe	
Poster Topic: <i>National security, data confidentiality:</i>		
59:	Importance in the Developing Countries of Statistics in Sector Security and Defence Policy — ■ Jhoner L. Perdomo, V, Universidad Central de Venezuela	
60:	Confidential Data Perturbation via Skew-T Distributions — ■ Seokho Lee, Texas A&M University; Marc G. Genton, University of Geneva; Reinaldo B. Arellano-Valle, Pontificia Universidad Católica de Chile	
Add To My Program		
	Wed, 8/6/08, 11:30 AM - 1:50 PM	HY-Limestone
Committee on Meetings		
Committee on Meetings		
<i>Chair(s): Xiao-Li Meng, Harvard University</i>		
Add To My Program		
	Wed, 8/6/08, 12:00 PM - 2:00 PM	HY-Sandstone
Committee on International Relations in Statistics Meeting (closed)		
Committee on International Relations in Statistics		
<i>Chair(s): Demissie Alemayehu, Pfizer, Inc.</i>		
Add To My Program		
	Wed, 8/6/08, 12:00 PM - 2:00 PM	CC-208
2009 ENAR Spring Meeting Planning Committee Luncheon		
ENAR		
<i>Organizer(s): Kathy Hoskins, ENAR</i>		
Add To My Program		
	Wed, 8/6/08, 12:30 PM - 2:00 PM	HY-Agate A
Writing Workshop for Junior Researchers-Lunch (closed)		
ASA, National Institute of Statistical Sciences		

Chair(s): Keith Crank, The American Statistical Association

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Wed, 8/6/08, 12:30 PM - 2:00 PM

HY-Marble

Noether Award Committee Luncheon (closed)

Noether Award Committee

Chair(s): Carlos J. Morales, Wellington Management Company

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406

Wed, 8/6/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 6

Section on Health Policy Statistics Speaker with Lunch (fee event) - Roundtables - Speaker with Lunch

Section on Health Policy Statistics

Organizer(s): Mary Beth Landrum, Harvard Medical School

WL07:

[Weight and Mortality: Estimates for the U.S. Population](#) — ■ Katherine M. Flegal, Centers for Disease Control and Prevention

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407

Wed, 8/6/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 4

Section on Bayesian Statistical Science Roundtables with Lunch (fee event) - Roundtables - with Lunch

Section on Bayesian Statistical Science

Organizer(s): Michael Daniels, University of Florida

WL08:

[Bayesian Methods in the Evaluation of Modalities for Diagnosis and Prediction](#) — ■ Constantine Gatsonis, Brown University

WL09:

[Bayesian Methods in Medical Device Trials](#) — ■ Bradley P. Carlin, The University of Minnesota

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408

Wed, 8/6/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 4

Biopharmaceutical Section Roundtables with Lunch (fee event) - Roundtables - with Lunch

Biopharmaceutical Section

Organizer(s): Matilde Sanchez, Arena Pharmaceuticals

WL10:	A Bayesian Approach to the ICH Q8 Definition of Design Space — ■John J. Peterson, GlaxoSmithKline Pharmaceuticals
WL11:	Do Statisticians Still Look at the Data? — ■Bret J. Musser, Merck Research Laboratories
WL12:	CANCELLED - Prespecifying Analyses: In the Lifecycle of a Clinical Trial, Does It Matter When, Where, and How You Prespecify? — Bruce Binkowitz, Merck Research Laboratories
WL13:	Patient-Reported Outcomes: Measurement Reliability and Sensitivity — ■Tammy Massie, U.S. Food and Drug Administration
WL14:	Applying Lean Six Sigma Concepts to Adaptive Trial Logistics — ■Darcy Hille, Merck & Co., Inc.; Paulette Ceesay, Merck & Co., Inc.

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409

Wed, 8/6/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 4

Section on Government Statistics Roundtable with Lunch (fee event) - Roundtables - with Lunch

Section on Government Statistics

Organizer(s): Sunghee Lee, University of California, Los Angeles

WL15:	Cell Phone Survey Sampling and Weighting — ■Michael P. Battaglia, Abt Associates, Inc.
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410

Wed, 8/6/08, 12:30 PM - 1:50 PM

HY-Capitol Ballroom 4

Section on Physical and Engineering Sciences Roundtable with Lunch (fee event) - Roundtables - with Lunch

Section on Physical and Engineering Sciences

Organizer(s): Jeffery J. Luner, The Boeing Company

WL16:	How Quality Evaluation Affects Product Reliability Models — ■Dan Fitzsimmons, Boeing Commercial Airplanes
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411	Wed, 8/6/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Statistical Consulting Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Statistical Consulting		
<i>Organizer(s): Stephan Ogenstad, Statogen Consulting LLC</i>		
WL18:	Is That Clear? Communicating with Clients Effectively — ■Novie O.M. Younger, The University of the West Indies, Jamaica	
		Add To My Program
412	Wed, 8/6/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 4
Section on Statistical Education Roundtables with Lunch (fee event) - Roundtables - with Lunch		
Section on Statistical Education		
<i>Organizer(s): Peter Westfall, Texas Tech University</i>		
WL19:	Statistical Outreach: How Statisticians in Industry and Academia Can Reach Out to Secondary Educators and High-School Students — ■Cynthia A. Gargano, Merck & Co., Inc.	
WL20:	Active Learning: Engaging Students in Learning Now — ■Paul J. Fields, Brigham Young University	
WL21:	Broadening the Undergraduate Statistics Curriculum — ■Deborah Nolan, University of California, Berkeley	
		Add To My Program
413	Wed, 8/6/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 5
Section on Statisticians in Defense and National Security Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Statisticians in Defense and National Security		
<i>Organizer(s): Myron Katzoff, Centers for Disease Control and Prevention</i>		
WL22:	Research Directions in Information Integration — ■Wendy Martinez, Office of Naval Research	
		Add To My Program

414	Wed, 8/6/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 5
Section on Statistics and Marketing Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Statistics and Marketing		
<i>Organizer(s): Michael Braun, MIT Sloan School of Management</i>		
WL23:	Applications of Internet Clickstream Data: Past, Present, and Future — ■ Wendy Moe, University of Maryland, College Park	
		Add To My Program
415	Wed, 8/6/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 5
Section on Statistics in Epidemiology Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Statistics in Epidemiology		
<i>Organizer(s): Amy H. Herring, The University of North Carolina at Chapel Hill</i>		
WL24:	Statistical Innovation in Submissions to FDA and Other Regulatory Bodies — ■ Diane Fairclough, University of Colorado Denver	
		Add To My Program
416	Wed, 8/6/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 5
Section on Survey Research Methods Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Section on Survey Research Methods		
<i>Organizer(s): Elaine Zanutto, National Analysts Worldwide Research and Consulting</i>		
WL25:	Characterization, Evaluation, and Management of Systemic Risk in Surveys — ■ John L. Eltinge, Bureau of Labor Statistics	
		Add To My Program
417	Wed, 8/6/08, 12:30 PM - 1:50 PM	HY-Capitol Ballroom 5
Social Statistics Section Roundtable with Lunch (fee event) - Roundtables - with Lunch		
Social Statistics Section		
<i>Organizer(s): Kathleen S. O'Connor, Centers for Disease Control and Prevention</i>		

WL26:	From Data to Action: A Case Study To Disseminate and Communicate Children's Health Statistics to Multiple Stakeholders Through an Online Data Tool — ■ Kathleen S. O'Connor, Centers for Disease Control and Prevention; Christina D. Bethell, Oregon Health & Science University; Stephen J. Blumberg, Centers for Disease Control and Prevention	
		Add To My Program
CE_37T	Wed, 8/6/08, 1:00 PM - 2:45 PM	HY-Capitol Ballroom 1
New Software for the Design, Analysis, and Reporting of Bioequivalence and Clinical Pharmacology Trials - Continuing Education - CTW		
ASA		
<i>Instructor(s): Yannis Jemiai, Cytel Inc., Pralay Senchudhuri, Cytel Inc.</i>		
<p>Cytel Inc. introduces a software package for the design, analysis, and reporting of early phase clinical pharmacology trials, as well as pivotal and nonpivotal bioequivalence trials. Key development members from Cytel Inc. will demonstrate how to quickly design parallel and crossover clinical trials with superiority, noninferiority, or equivalence objectives; create, import, and explore data sets; produce and compare analyses and plots; and construct standardized templates to generate standardized reports of your work</p>		
		Add To My Program
CE_38T	Wed, 8/6/08, 1:00 PM - 2:45 PM	HY-Capitol Ballroom 2
New Procedures and Features for Clustered and Survey Data Analysis in SUDAAN® Release 10 - Continuing Education - CTW		
ASA		
<i>Instructor(s): Angela Pitts, RTI International, George G. Brown, RTI International</i>		
<p>This workshop will highlight two new procedures and several new features in SUDAAN Release 10, which will be available in early August 2008. SUDAAN is a statistical software package for the analysis of complex survey and other cluster-correlated data. We will focus on the new PROC HOTDECK procedure that conducts sequential weighted hot deck imputation; the PROC WTADJUST procedure that computes weight adjustments; and the addition of model-adjusted risk ratios, a test for the proportional odds assumption, exponentiated point estimates defined by EFFECTS statement contrasts, a SORTED option on the NEST statement, the use of character variables in all procedures, and several enhancements to the PRINT statement. The workshop will include a brief introduction to SUDAAN syntax. Attendees are not required to be SUDAAN users, but should have knowledge of statistical issues that arise when analyzing survey and other correlated data. The new SUDAAN features will be demonstrated on complex survey data. We will demonstrate proper implementation of SUDAAN, provide interpretation of the output, and discuss statistical issues related to the data. All course material, including a 30-day trial version of SUDAAN Release 10, will be provided.</p>		

		Add To My Program
CE_39T	Wed, 8/6/08, 1:00 PM - 2:45 PM	HY-Capitol Ballroom 3
Introduction to Bayesian Analysis Using SAS Software - Continuing Education - CTW		
ASA		
<i>Instructor(s): Fang Chen, SAS Institute Inc.</i>		
<p>Bayesian methods have become increasingly popular in recent years in a number of disciplines. This workshop will provide an introduction to Bayesian methods with applications in the generalized linear model and survival analysis. The first part will provide an overview of Bayesian methodology, including motivation and Bayesian inference, and computational methods and convergence diagnostics relevant to the SAS implementation. The second part will cover applications using new capabilities in SAS/STAT software in the GENMOD, LIFEREG, and PHREG procedures, which are based on Gibbs sampling. Examples will include linear regression, logistic regression, Poisson regression, Cox regression, parametric survival models, and the piecewise exponential model. Note that these enhanced procedures are available in the newly available SAS 9.2. A master's-level knowledge of statistics is assumed, as well as experience with generalized linear models and survival analysis. Previous exposure to Bayesian methods is useful, but not required.</p>		
		Add To My Program
CE_40T	Wed, 8/6/08, 1:00 PM - 2:45 PM	HY-Capitol Ballroom 7
Introduction to MARS: Predictive Modeling with Nonlinear Automated Regression Tools - Continuing Education - CTW		
ASA		
<i>Instructor(s): Mikhail Golovnya, Salford Systems</i>		
<p>This workshop will introduce the main concepts behind Jerome Friedman's MARS, a modern regression tool that can help analysts quickly develop superior predictive models. MARS is a nonlinear automated regression tool that can trace complex patterns in data. It automates the model specification search, including variable selection, variable transformation, interaction detection, missing value handling, and model validation. Conventional regression models typically fit straight lines to data. Although this usually oversimplifies the data structure, the approximation is sometimes good enough for practical purposes. However, in the frequent situations in which a straight line is inappropriate, an expert modeler must search tediously for transformations to find the right curve. MARS approaches model construction more flexibly, allowing for bends, thresholds, and other departures from straight lines from the beginning. Attendees will be presented with MARS' key benefits.</p>		
		Add To My Program

203660	Wed, 8/6/08, 2:00 PM - 6:00 PM	CC--South Shuttle Bus Drop Off/14th & California
TR10 - Foothills Tour		
<p>Red Rocks is a geologically formed, open-air amphitheater. The visitor center offers free interactive, educational displays featuring the site's geologic and musical history. On the way, stop by Dinosaur Ridge to view prehistoric dinosaur tracks and bones embedded in the sandstone. After the stop at Red Rocks, travel up to Lookout Mountain and visit the grave of William F. "Buffalo Bill" Cody. See Sitting Bull's bow and arrows, Buffalo Bill's show outfits, and Frederick Remington's "Portrait of a Ranch Hand." Advance Tickets: \$38 per person; On-site Tickets: \$43 per person</p>		
		Add To My Program
	Wed, 8/6/08, 2:00 PM - 9:00 PM	CC-Exhibit Hall F
Exhibitor Move Out		
		Add To My Program
418  	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-109
Spatial Models of Loa loa Disease - Invited - Papers		
JASA, Applications and Case Studies		
<i>Organizer(s): David Banks, Duke University</i>		
<i>Chair(s): David Banks, Duke University</i>		
2:05 PM	Bivariate Binomial Spatial Modeling Loa loa Prevalence in Tropical Africa —  Ciprian M. Crainiceanu, Johns Hopkins University; Peter J. Diggle, Lancaster University; Barry Rowlingson, Lancaster University	
3:15 PM	Disc: David Dunson, National Institute of Environmental Health Science	
3:35 PM	Floor Discussion	
		Add To My Program
419  	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-103
Disease Prediction and Model Validation: Tools for the Real World - Invited - Papers		
Section on Statistics in Epidemiology, Section on Statisticians in Defense and National Security, WNAR, Section on Health Policy Statistics, Biometrics Section		
<i>Organizer(s): Heejung Bang, Weill Medical College of Cornell University</i>		
<i>Chair(s): Nancy R. Cook, Brigham & Women's Hospital</i>		

2:05 PM	Statistical Applications in Elucidating the Epidemic of Obesity and the Metabolic Syndrome in Children and Adolescents — ■ Shumei S. Sun, Virginia Commonwealth University
2:30 PM	Evaluation of Prognostic Models Using Area Between Curves (ABC) — ■ Mithat Gonen, Memorial Sloan-Kettering Cancer Center
2:55 PM	Simple Algorithms To Predict Kidney Disease: Ready To Be Used in the Real World? — ■ Heejung Bang, Weill Medical College of Cornell University; Madhu Mazumdar, Weill Cornell Medical College
3:20 PM	Disc: Greg Ridgeway, RAND Corporation
3:40 PM	Floor Discussion

[Add To My Program](#)

420 ●

Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-203

Design and Analysis of Industrial Split-Plot Experiments: Best Practices - Invited - Papers

Section on Physical and Engineering Sciences, Section on Quality and Productivity

Organizer(s): Bradley Jones, SAS Institute Inc.

Chair(s): Bradley Jones, SAS Institute Inc.

2:05 PM	Aspects in the Analysis of Split-Plot Experiments — ■ Oliver Schabenberger, SAS Institute Inc.
2:30 PM	Designing Optimal Split-Plot and Split-Split-Plot Experiments — ■ Peter Goos, Universiteit Antwerpen; Bradley Jones, SAS Institute Inc.
2:55 PM	Split-Plot Designs: What, Why, and How — ■ Christopher Nachtsheim, Carlson School of Management
3:20 PM	Disc: José G. Ramírez, W.L. Gore & Associates, Inc.
3:40 PM	Floor Discussion

[Add To My Program](#)

421 ●

Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-111

Statistical Problems in Wireless Sensor Networks - Invited - Papers

Section on Statisticians in Defense and National Security, Section on Statisticians in Defense and National Security

Organizer(s): Elizaveta Levina, The University of Michigan

Chair(s): Elizaveta Levina, The University of Michigan

2:05 PM	Robust Target Detection and Localization in Wireless Sensor Networks — ■ George Michailidis, The University of Michigan
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2:30 PM	Energy-Performance Issues for Statistical Inference in Large Random Networks — Animashree Anandkumar, Cornell University; Joseph Yukich, Lehigh University; Ananthram Swami, Cornell University; ■Lang Tong, Cornell University
2:55 PM	Active Data Acquisition for Mobile Sensor Networks — ■Nicolas Hengartner, Los Alamos National Laboratory
3:20 PM	Disc: Mark H. Hansen, University of California, Los Angeles
3:40 PM	Floor Discussion

[Add To My Program](#)

422 ●	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-113
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Statistics Education in the Health Sciences During the Clinical and Translational Science Era: Bench to Bedside to Populations - Invited - Papers

Section on Teaching Statistics in the Health Sciences, Section on Statistical Consulting, WNAR, Section on Health Policy Statistics

Organizer(s): Jodi Lapidus, Oregon Health & Science University

Chair(s): Nichole Carlson, University of Colorado Denver

2:05 PM	Teaching Translational Biostatistics Through Partnered Training: A Dual-Mentoring Approach Using the CTSA — ■Laurel A. Beckett, University of California, Davis
2:30 PM	Training Investigators via the CTSA Biostatistics Consulting Core: The Tale of the Two Cities — ■Mariza de Andrade, Mayo Clinic
2:55 PM	Focusing Biostatistics Training on Bench to Beside Translation — ■Shannon K. McWeeney, Oregon Health & Science University
3:20 PM	Disc: Edward J. Bedrick, University of New Mexico
3:40 PM	Floor Discussion

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423 ● ▲	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-107
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Ideas That Make a Difference: Contributions of F. N. David Award Recipients - Invited - Papers

Committee on Women in Statistics

Organizer(s): Mari Palta, University of Wisconsin-Madison

Chair(s): Dianne Finkelstein, Harvard School of Public Health

2:05 PM	Nonparametric Linkage Tests Using Affected Pedigree Members: The Work of Alice S. Whittemore — ■Mei-Chiung Shih, Stanford University
2:30 PM	Comparing Multiple Treatments: Importance of the Overall Pattern of Results — ■Juliet P. Shaffer, University of California, Berkeley
2:55 PM	On Collaborations and Contributions: A Personal Perspective — ■Nan Laird, Harvard School of Public Health
3:20 PM	A Randomly Reinforced Urn Design — ■Nancy Flournoy, University of Missouri-Columbia
3:45 PM	Floor Discussion

[Add To My Program](#)

424 

Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-702

Multiscale Methods for Overcomplete Representations - Invited - Papers

Section on Bayesian Statistical Science

Organizer(s): Patrick J. Wolfe, Harvard University

Chair(s): Xiao-Li Meng, Harvard University

2:05 PM	Time Series Analysis with Overcomplete Representations — ■Guy Nason, University of Bristol; Alessandro Cardinali, University of Bristol
2:30 PM	Bayesian Rules for Nonparametric Regression Estimation Based on Overcomplete Representations — ■Marianna Pensky, University of Central Florida
2:55 PM	Multiscale Time-Frequency Representations and Inference for Forensic Speech and Audio Analysis — ■Patrick J. Wolfe, Harvard University
3:20 PM	Disc: Merlise Clyde, Duke University
3:40 PM	Floor Discussion

[Add To My Program](#)

425  

Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-205

The Emergence of Social Data Analysis and Its Impact on the Field of Statistics - Invited - Papers

Section on Statistical Graphics, Social Statistics Section, Chance

Organizer(s): Webster West, Integrated Analytics LLC

Chair(s): Steven N. MacEachern, The Ohio State University

2:05 PM	Many Eyes: A Site for Social Data Analysis and Visualization — Fernanda Viegas, IBM; ■Martin Wattenberg, IBM Research
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2:45 PM	StatCrunch: From Statistical Software to a Portal for Social Data Analysis — ■ Webster West, Integrated Analytics LLC
3:25 PM	Floor Discussion
Add To My Program	
426 ●	Wed, 8/6/08, 2:00 PM - 3:50 PM CC-207
Best of the Annals of Applied Statistics - Invited - Papers	
IMS, WNAR	
<i>Organizer(s): Josee Dupuis, Boston University</i>	
<i>Chair(s): Josee Dupuis, Boston University</i>	
2:05 PM	Stochastic Modeling in Nanoscale Biophysics: Subdiffusion Within Proteins — ■ Samuel Kou, Harvard University
2:35 PM	Of Mice and Men: Sparse Statistical Modeling in Genomics — ■ Mike West, Duke University
2:55 PM	Should the Democrats Move to the Left on Economic Policy? — ■ Andrew Gelman, Columbia University; Cexun J. Cai, Columbia University
3:20 PM	Disc: Bradley Efron, Stanford University
3:40 PM	Floor Discussion
Add To My Program	
427	Wed, 8/6/08, 2:00 PM - 3:50 PM CC-201
Biometrics Editors Invited Session - Invited - Papers	
ENAR, WNAR, Biometrics Section	
<i>Organizer(s): Laurence Freedman, Gertner Institute for Epidemiology and Health Policy Research, Geert Molenberghs, Hasselt University, Naisyin Wang, Texas A&M University</i>	
<i>Chair(s): Naisyin Wang, Texas A&M University</i>	
2:05 PM	Variable Selection for Model-Based, High-Dimensional Clustering and Its Application to Microarray Data — Sijian Wang, The University of Michigan; ■ Ji Zhu, The University of Michigan
2:35 PM	Screening for Partial Conjunction Hypotheses — ■ Yoav Benjamini, Tel Aviv University; Ruth Heller, University of Pennsylvania
3:05 PM	A Flexible and Powerful Bayesian Hierarchical Model for ChIP-Chip Experiments — ■ Raphael Gottardo, The University of British Columbia; Wei Li, Harvard University; W. Evan Johnson, Brigham Young University; Shirley Liu, Harvard University

3:35 PM	Floor Discussion	
		Add To My Program
428	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-202
Bioinformatics - Invited - Papers		
WNAR, Biopharmaceutical Section, Biometrics Section		
<i>Organizer(s): Nicholas P. Jewell, University of California, Berkeley</i>		
<i>Chair(s): Imola K. Fodor, Genentech, Inc.</i>		
2:05 PM	Survival Analysis of Microarray Gene Expression Data — ■Jianguo (Tony) Sun, University of Missouri-Columbia; Qiang Zhao, Texas State University; Ping Yao, University of Missouri-Columbia	
2:30 PM	Reconstructing Gene Regulatory Networks from Gene Expression Data and Biological Prior Knowledge — ■Dirk Husmeier, Biomathematics & Statistics Scotland	
2:55 PM	Modeling Splice-Junction Microarrays — ■Kasper D. Hansen, University of California, Berkeley	
3:20 PM	Disc: Rebecka Jornsten, Rutgers, The State University of New Jersey	
3:40 PM	Floor Discussion	
		Add To My Program
429	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-106
Bayesian Modeling of Extreme Events - Topic Contributed - Papers		
Section on Risk Analysis, Section on Statistics and the Environment, Section on Statistics in Epidemiology		
<i>Organizer(s): Dipak Dey, University of Connecticut</i>		
<i>Chair(s): Bani K. Mallick, Texas A&M University</i>		
2:05 PM	Semiparametric Functional Estimation Using Quantile-Based Prior Elicitation — ■Elijah Gaioni, University of Connecticut; Dipak Dey, University of Connecticut; Mircea Grigoriu, Cornell University	
2:25 PM	Bayesian Hierarchical Modeling for Extreme Values Observed Over Space and Time — ■Huiyan Sang, Duke University; Alan Gelfand, Duke University	
2:45 PM	Bayesian Model Selection of the Farlie-Gumbel-Morgenstern Copula for Describing Two Generalized Extreme Value Variables — ■Vered Madar, Statistical and Applied Mathematical Sciences Institute	

3:05 PM	A Bayesian Framework for Adversarial Risk Analysis — ■ Jesus Rios, Statistical and Applied Mathematical Sciences Institute; David Rios, Universidad Rey Juan Carlos; David Banks, Duke University
3:25 PM	Thresholding for Multivariate Extreme Values — ■ Kobi A. Abayomi, Duke University
3:45 PM	Floor Discussion

[Add To My Program](#)

430 ● ▲

Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-105

Enhancing Development of Genomewide Association Methods - Topic Contributed - Papers

Biometrics Section, Biopharmaceutical Section, Section on Statistics in Epidemiology, WNAR

Organizer(s): Gang Zheng, National Heart, Lung, and Blood Institute

Chair(s): Gang Zheng, National Heart, Lung, and Blood Institute

2:05 PM	On Combining Family-Based and Population-Based Case-Control Study in Assessing Genetic Association with Disease Risk — ■ Yingye Zheng, Fred Hutchinson Cancer Research Center; Patrick Heagerty, University of Washington; Li Hsu, Fred Hutchinson Cancer Research Center
2:25 PM	Multiple Comparisons Overestimation Bias in Association Studies — ■ Neal Jeffries, National Heart, Lung, and Blood Institute
2:45 PM	Multivariate Methods for Detecting and Displaying Population Structure in GWAS — ■ Kelci J. Miclaus, North Carolina State University/SAS Institute; Russ Wolfinger, SAS Institute Inc.; Wendy Czika, SAS Institute Inc.
3:05 PM	Multi-SNP Association Mapping Using Bayesian Regression and Shrinkage Priors — ■ Yongtao Guan, The University of Chicago; Matthew Stephens, The University of Chicago
3:25 PM	A Robust Test for Two-Stage Design in Genome-Wide Association Studies — ■ Minjung Kwak, National Heart, Lung, and Blood Institute; Jungnam Joo, National Heart, Lung, and Blood Institute; Gang Zheng, National Heart, Lung, and Blood Institute
3:45 PM	Floor Discussion

[Add To My Program](#)

431 ● ▲

Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-102

DMC Members: What Do They Hang Their Hats On? - Topic Contributed - Papers

Biopharmaceutical Section, Biometrics Section

Organizer(s): Vipin Arora, Takeda Pharmaceuticals North America

<i>Chair(s): John Connett, The University of Minnesota</i>		
2:05 PM	Beyond Standard Reports — ■ Vipin Arora, Takeda Pharmaceuticals North America	
2:25 PM	Effective Interactions of the DMC, Steering Committee, and Sponsor in a Long-Term Prevention Trial — ■ Michelle McNabb, Eli Lilly and Company; Janet Wittes, Statistics Collaborative, Inc.	
2:45 PM	Supporting the DMC To Fulfill Their Responsibilities Through Clear, Comprehensive, and Carefully Constructed Reports on Accumulating Interim Data — ■ Marian R. Fisher, University of Wisconsin-Madison	
3:05 PM	Depending on the Independent Statistician ... — ■ Jennifer Schumi, Statistics Collaborative, Inc. ; Matt Downs, Statistics Collaborative, Inc.	
3:25 PM	Disc: Janet Wittes, Statistics Collaborative, Inc.	
3:45 PM	Floor Discussion	
Add To My Program		
432	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-704
Student Paper Competition: Bayesian Computational Statistics - Topic Contributed - Papers		
Section on Bayesian Statistical Science		
<i>Organizer(s): David A. van Dyk, University of California, Irvine</i>		
<i>Chair(s): Ronald Christensen, University of New Mexico</i>		
2:05 PM	Stochastic Approximation and Newton's Estimate of a Mixing Distribution — ■ Ryan Martin, Purdue University; Jayanta K. Ghosh, Purdue University and Indian Statistical Institute	
2:25 PM	Default Priors and Efficient Posterior Computation in Bayesian Factor Analysis — ■ Joyee Ghosh, Duke University; David Dunson, National Institute of Environmental Health Science	
2:45 PM	Objective Bayesian Model Selection in Gaussian Graphical Models — ■ James G. Scott, Duke University; Carlos M. Carvalho, The University of Chicago	
3:05 PM	Density Estimation for Bivariate Angular Data Using a von Mises Distribution and Bayesian Nonparametrics — ■ Kristin P. Lennox, Texas A&M University; David B. Dahl, Texas A&M University; Marina Vannucci, Rice University; Jerry Tsai, Texas A&M University	
3:25 PM	Floor Discussion	
Add To My Program		

433 ●	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-703
U.S. Census Bureau: Census 2010 - Topic Contributed - Papers		
Section on Government Statistics, Section on Survey Research Methods, Social Statistics Section		
<i>Organizer(s): James Farber, U.S. Census Bureau</i>		
<i>Chair(s): Joel Martin, U.S. Census Bureau</i>		
2:05 PM	An Overview of the 2010 Redesign Program at the U.S. Census Bureau — ■ Ruth A. Killion, U.S. Census Bureau; James Farber, U.S. Census Bureau; Padraic Murphy, U.S. Census Bureau	
2:25 PM	An Overview of Primary Sampling Units (PSUs) in Multistage Samples for Demographic Surveys — ■ Padraic Murphy, U.S. Census Bureau	
2:45 PM	Use a MAF-Based Frame for Demographic Household Surveys — ■ Xijian Liu, U.S. Census Bureau	
3:05 PM	Innovations in Survey Redesign at the U.S. Census Bureau — ■ James Farber, U.S. Census Bureau; Padraic Murphy, U.S. Census Bureau	
3:25 PM	Disc: Jean Opsomer, Colorado State University	
3:45 PM	Floor Discussion	
		Add To My Program
434 ▲	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-110
Bootstrap Methods for Complex Problems - Topic Contributed - Papers		
Section on Nonparametric Statistics, IMS, Section on Statistical Computing, SSC		
<i>Organizer(s): Dan Nordman, Iowa State University</i>		
<i>Chair(s): Alan M. Polansky, Northern Illinois University</i>		
2:05 PM	On Block Bootstrap for Spatial Linear Regression of Irregularly Spaced Data — ■ Jun Zhu, University of Wisconsin-Madison	
2:25 PM	Asymptotic Properties of Sample Quantiles from a Finite Population — ■ Arindam Chatterjee, Texas A&M University	
2:45 PM	Variance Estimation for Sample Quantiles Using Smoothed Moving Block Bootstrap — ■ Shuxia Sun, Wright State University	
3:05 PM	Pooling Block Bootstrap Estimators — ■ Arnab Maity, Texas A&M University; Soumendra N. Lahiri, Texas A&M University	
3:25 PM	A Tapered Block Bootstrap for Variance Estimation in Time Series Regression — ■ Dan Nordman, Iowa State University	
3:45 PM	Floor Discussion	

		Add To My Program
435	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-108
Least Angle Regression - Topic Contributed - Papers		
Section on Statistical Computing, IMS		
<i>Organizer(s): Tim Hesterberg, Google, Inc.</i>		
<i>Chair(s): Guilherme V. Rocha, University of California, Berkeley</i>		
2:05 PM	Hierarchically Penalized Cox Regression for High-Dimensional Censored Data with Grouped Variables and Its Oracle Property — ■Sijian Wang, The University of Michigan; Bin Nan, The University of Michigan; Nengfeng Zhou, The University of Michigan; Ji Zhu, The University of Michigan	
2:25 PM	Variable Selection with the Strong Heredity/Marginality Constraint and Its Oracle Property — ■Nam Hee Choi, The University of Michigan; Ji Zhu, The University of Michigan	
2:45 PM	ℓ₁-ℓ_q Regularization, Sparse Additive Models, and Simultaneous LASSO — ■Han Liu, Carnegie Mellon University; Jian Zhang, Purdue University	
3:05 PM	LARS/LASSO for Feature Selection and Kernel Basis Selection in Machine Learning — ■Sathiya K. Selvaraj, Yahoo! Research	
3:25 PM	Some Extensions of the LASSO: Applications and Algorithms — ■Suhrid Balakrishnan, AT&T Labs - Research	
3:45 PM	Floor Discussion	
		Add To My Program
436	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-601
Teaching Ethics in Statistics Class - Topic Contributed - Papers		
Section on Statistical Education		
<i>Organizer(s): Paul F. Velleman, Cornell University</i>		
<i>Chair(s): Michael A. Posner, Villanova University</i>		
2:05 PM	Ethics and the Introductory Statistics Course — ■George P. McCabe, Purdue University	
2:25 PM	Ethics: It's for Everyone — ■Patricia B. Humphrey, Georgia Southern University	
2:45 PM	Truth, Damn Truth, and Statistics — ■Paul F. Velleman, Cornell University	
3:05 PM	Disc: John Walker, California Polytechnic State University	

3:25 PM	Floor Discussion	
		Add To My Program
437 	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-709
Mode Effects - Topic Contributed - Papers		
Section on Survey Research Methods , Section on Government Statistics, Social Statistics Section		
<i>Organizer(s): Maxine Denniston, Centers for Disease Control and Prevention</i>		
<i>Chair(s): Andrew White, National Center for Education Statistics</i>		
2:05 PM	Mode Effects on In-Person and Internet Surveys: A Comparison of the General Social Survey and Knowledge Networks Surveys —  Tom W. Smith, National Opinion Research Center; J. Michael Dennis, Knowledge Networks	
2:25 PM	Comparing Estimates and Data Quality from the School Health Policies and Programs Study (SHPPS) 2006 for Mail and Telephone Data Collection: District-Level Questionnaires —  Maxine Denniston, Centers for Disease Control and Prevention; Nancy Brener, Centers for Disease Control and Prevention	
2:45 PM	Assessing Mode Bias in a Mixed Mode Reproductive Health Survey —  Holly B. Shulman, Centers for Disease Control and Prevention; Nedra Whitehead, Research Triangle Institute	
3:05 PM	2006 Canadian Census Internet Mode Effect Study —  Chantal Grondin, Statistics Canada; Limei Sun, Statistics Canada	
3:25 PM	Evaluating Frames and Modes of Contact in a Study of Individuals with Disabilities —  Virginia M. Lesser, Oregon State University; Lydia Newton, Survey Research Center; Danny Yang, Survey Research Center	
3:45 PM	Floor Discussion	
		Add To My Program
438  	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-712
Modeling of Migration and Social Networks - Contributed - Papers		
Social Statistics Section , Section on Government Statistics, Section on Statisticians in Defense and National Security		
<i>Chair(s): Xiaohong M. Davis, Centers for Disease Control and Prevention</i>		
2:05 PM	Estimation of International Migration Flow Tables —  Guy J. Abel, University of Southampton	

2:20 PM	Statistical Modeling of Migration Flows — ■Peter W.F. Smith, University of Southampton; James Raymer, University of Southampton; Corrado Giulietti, University of Southampton
2:35 PM	Separable Models for Dynamic Social Networks — ■Pavel N. Krivitsky, University of Washington; Mark S. Handcock, University of Washington
2:50 PM	Using Social Space Models for Inference on Missing Nodes — ■David Marchette, Naval Surface Warfare Center
3:05 PM	Floor Discussion

[Add To My Program](#)

439 ●

Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-705

Adjusting for and Minimizing Unit Nonresponse - Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics

Chair(s): John Finamore, U.S. Census Bureau

2:05 PM	Update on Use of Administrative Data To Explore Effect of Establishment Nonresponse Adjustment on the National Compensation Survey Estimates — Chester H. Ponikowski, Bureau of Labor Statistics; Erin McNulty, Bureau of Labor Statistics; ■Jackson Crockett, Bureau of Labor Statistics
2:20 PM	Empirical Evaluation of Raking Ratio Adjustments for Nonresponse — ■Ismael Flores Cervantes, Westat, Inc.; J. Michael Brick, Westat, Inc.
2:35 PM	The Bitter End? The Close of the 2007 SCF Field Period — ■Arthur B. Kennickell, Federal Reserve Board of Governors
2:50 PM	Identifying, Collecting, and Using Auxiliary Variables To Adjust for Nonresponse Bias in Organizational Surveys — ■Ashley Bowers, The University of Michigan
3:05 PM	Incorporating Multiple Reasons for Attrition into Analysis of Longitudinal Data — ■Irina Bondarenko, The University of Michigan; Trivellore Raghunathan, The University of Michigan
3:20 PM	Subjective and Objective Numeracy and Disclosure Risk in Surveys — ■Mick P. Couper, The University of Michigan; Eleanor Singer, The University of Michigan
3:35 PM	Floor Discussion

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440 ●

Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-707

Improved Sample Designs - Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics		
<i>Chair(s): Frank Potter, Mathematica Policy Research, Inc.</i>		
2:05 PM	Overview of the Survey of Occupational Injuries and Illnesses Sample Design and Estimation Methodology — ■ Philip N. Selby, Bureau of Labor Statistics; Terry M. Burdette, Bureau of Labor Statistics; Erin Huband, Bureau of Labor Statistics	
2:20 PM	Evaluating the Within-Household Selection Procedures for in-Person U.S. Adult Literacy Surveys — ■ Tom Krenzke, Westat, Inc.; Leyla Mohadjer, Westat, Inc.; Lin Li, Westat, Inc.	
2:35 PM	Developing Statistical 'Twins' Methodology for Selecting Sites for Qualitative Case Studies — ■ Zhiwei Zhang, National Opinion Research Center; Fritz Scheuren, The University of Chicago	
2:50 PM	Sample Design and Sample Selection for Adult Multivitamin Mineral Study — ■ Charles Perry, U.S. Department of Agriculture; Joanne Holden, U.S. Department of Agriculture; Janet Roseland, U.S. Department of Agriculture;	
3:05 PM	Optimized Whole-Sample Procedures vs. Traditional Draw-by-Draw Procedures — ■ Sun-Woong Kim, Dongguk University; Steven G. Heeringa, Institute for Social Research; Sung-Joon Hong, Dongguk University; Peter S. Solenberger, Institute for Social Research	
3:20 PM	Intraclass Correlation Patterns of Cognitive and Behavioral Measures of Illicit Drug Use Within Six Major Metropolitan Areas — Zhiwei Zhang, National Opinion Research Center; ■ Michael P. Cohen, Statistical Consultant; Douglas Wright, National Opinion Research Center	
3:35 PM	Drawing a Sample from a Given Distribution — ■ Andrew Vogt, Georgetown University; Dharendra N. Ghosh, Synectics for Management Decisions Inc.	
Add To My Program		
441 ●	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-206
Measurement Error and Control of Bias - Contributed - Papers		
Section on Statistics in Epidemiology, Section on Survey Research Methods, Social Statistics Section, Biometrics Section		
<i>Chair(s): Nandita Mitra, University of Pennsylvania</i>		
2:05 PM	Monitoring Quality Control: Can We Get Better Data? — ■ Ofer Harel, University of Connecticut; Enrique F. Schisterman, National Institute of Child Health and Human Development; Albert Vexler, National Institute of Child Health and Human Development; Marcus Ruopp, National Institute of Child Health and Human Development	

2:20 PM	Measurement Error Adjusted Effects of A-Bomb Radiation Dose on Cancer Risk — ■Carmen D. Tekwe, University at Buffalo; Randolph L. Carter, University at Buffalo; Austin Miller, University at Buffalo; Harry Cullings, Radiation Effects Research Foundation; John Cologne, Radiation Effects Research Foundation; Yoichiro Kusunoki, Radiation Effects Research Foundation; Kazuo Neriishi, Radiation Effects Research Foundation; Sachiyo Funamoto, Radiation Effects Research Foundation; Norman P. Ross, Radiation Effects Research Foundation
2:35 PM	Assessing the Impact of Measurement Error in Modeling Change: A Sensitivity Analysis Approach — ■David Yanez, University of Washington; Thomas Lumley, University of Washington; Chengcheng Hu, Harvard University; Mose Andre, University of Washington
2:50 PM	Modeling Biases in Observational Data Using Bayesian Graphical Models To Combine Multiple Data Sources: Application to Low Birth-Weight and Water Disinfection Byproducts — ■NuooTing Molitor, Imperial College, London; Chris Jackson, MRC Biostatistics Unit; Nicky Best, Imperial College, London; Sylvia Richardson, Imperial College, London
3:05 PM	Bounds on ACE and Unmeasured Confounding Bias in Observational Studies — ■Tao Liu, Brown University; Joseph Hogan, Brown University; Allison DeLong, Brown University
3:20 PM	Misclassification Adjustment in Threshold Models for the Effects of Subject-Specific Exposure Means and Variances — ■Chengxing Lu, Emory University; Robert H. Lyles, Emory University
3:35 PM	Statistical Methods for Biodosimetry in the Presence of Both Classical and Berkson Measurement Error — ■Austin Miller, University at Buffalo; Randolph L. Carter, University at Buffalo; Harry Cullings, Radiation Effects Research Foundation; John Cologne, Radiation Effects Research Foundation; Norman P. Ross, Radiation Effects Research Foundation; Kazuo Neriishi, Radiation Effects Research Foundation; Carmen D. Tekwe, University at Buffalo

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Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-711

Pollution and Health - Contributed - Papers

Section on Statistics and the Environment, Section on Statistics in Epidemiology, Section on Health Policy Statistics

Chair(s): Stephen W. Looney, Medical College of Georgia

2:05 PM	The Effect of PM Exposure on Birth Weight — ■Simone Gray, Duke University; Alan Gelfand, Duke University; Marie Lynn Miranda, Duke University; Geeta Swamy, Duke University; Sharon Edwards, Duke University
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2:20 PM	Informative Priors for Computing the UCL of a Set of Asbestos Measurements with Low Total Counts — ■Bradley C. Venner, U.S. Environmental Protection Agency; Bill Brattin, Syracuse Research Corporation; Terry Schulz, Independent Contractor; Timothy Barry, U.S. Environmental Protection Agency	
2:35 PM	Imputation of the Physical Activity Component of Gerontologic Frailty for Use in Modeling the Health Effects of Air Pollution on Older Adults in the Cardiovascular Health Study — ■Sandra P. Eckel, Johns Hopkins Bloomberg School of Public Health; Thomas A. Louis, Johns Hopkins University; Karen Bandeen-Roche, Johns Hopkins Bloomberg School of Public Health; Paulo Chaves, Johns Hopkins Bloomberg School of Public Health; Linda P. Fried, Johns Hopkins Medical Institutions; Helene G. Margolis, California Department of Public Health	
2:50 PM	Developing New Methodologies To Estimate the Proportion of Homes in a Region with Indoor Radon Levels Exceeding a Reference Threshold — ■Patrick E. Murphy, University College Dublin; Catherine Organo, Radiological Protection Institute of Ireland	
3:05 PM	Modeling Particulate Matter Emissions Indices at the Hartsfield-Jackson Atlanta International Airport — ■Lu Gan, Missouri University of Science and Technology ; Gary L. Gadbury, Kansas State University; Prem Lobo, Missouri University of Science and Technology ; Philip D. Whitefield, Missouri University of Science and Technology ; Donald E. Hagen, Missouri University of Science and Technology	
3:20 PM	Assessing Water Pollution Using Lognormal Distribution in a Generalized Linear Modeling Framework — ■Obisesan O. Kazeem, University of Ibadan	
3:35 PM	Floor Discussion	
Add To My Program		
443 ●	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-710
Complex Data Issues in Marketing Research - Contributed - Papers		
Section on Statistics and Marketing		
<i>Chair(s): Dmitri V. Kuznetsov, Intellidyn Corp.</i>		
2:05 PM	The Application of Poisson Race Model to Conjoint Choice Study with Multiple Alternatives — ■Shiling Ruan, U.S. Food and Drug Administration; Steven N. MacEachern, The Ohio State University; Thomas Otter, Goethe University Frankfurt; Angela M. Dean, The Ohio State University	

2:20 PM	Predictive CRM in a B2B Context: Model-Based Cross- and Up-Selling Support for Guiding Recommendations and Improving Sales — ■Lynd Bacon, Loma Buena Associates, Ltd.; Peter Lenk, The Stephen M. Ross Business School, University of Michigan; Michael Troutman, C.M. Troutman Marketing Analytics and Consulting; Ashwin Sridhar, ZLINQ Solutions, Inc.
2:35 PM	Choice Experiments for Estimating Main Effects and Two-Factor Interactions Inclusive of One Factor — ■Pallavi Chitturi, Temple University; Jing Chen, Temple University
2:50 PM	Determining the Impact of Attitudinal Drivers on Customer Satisfaction in the Presence of Missing Data — Kurt A. Pflughoeft, Market Probe; ■Jorge A. Alejandro, Market Probe
3:05 PM	Retaining Incomplete Data Records for Market Research Estimation: CART Decision Tree Imputation Techniques for Data Sets with Missing Values — ■Ingo Bentrott, University of Technology, Sydney
3:20 PM	Structural Equation Model To Diagnose Success Factors for the Commercialization of Information Technology Project — ■So Young Sohn, Yonsei University; Hong Sik Kim, Yonsei University
3:35 PM	Floor Discussion

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Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-701

From the Golden Ratio to Elephants: A Collection of Viewpoints on Teaching Statistics - Contributed - Papers

Section on Statistical Education

Chair(s): Ananda A. Jayawardhana, Pittsburg State University

2:05 PM	Golden-Ratio Forms in Piano Sonatas by Mozart and Haydn: A Statistical Analysis — ■Jesper Rydén, Uppsala University
2:20 PM	Correlation Between the Sample Mean and Variance — ■Ram Shanmugam, Texas State University
2:35 PM	Student Attitudes Toward Statistics at Augsburg College — Milo Schield, W.M. Keck Statistical Literacy Project; ■Cynthia Schield, W.M. Keck Statistical Literacy Project
2:50 PM	A Study on the Association Between Extraneous Variables and Student Evaluations — ■Lewis Shoemaker, Millersville University of Pennsylvania
3:05 PM	Highlights of Thinking Statistically: Elephants Go to School — ■Sarjinder Singh, The University of Texas at Brownsville/Texas Southmost College
3:20 PM	Opportunities with the Journal 'Teaching Statistics' — ■Roger W. Johnson, South Dakota School of Mines & Technology

3:35 PM	A Review of Poster Presentations Displayed at JSM 2007 — ■Edward R. Mansfield, The University of Alabama	
		Add To My Program
445	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-212
Variables Selection and Dimension Reduction - Contributed - Papers		
Section on Statistical Computing, WNAR		
<i>Chair(s): Inbal Yahav, University of Maryland, College Park</i>		
2:05 PM	Principal Component Analysis and Subspace Detection Under Random Projection — ■Qi Ding, Boston University; Eric Kolaczyk, Boston University	
2:20 PM	Summarizing X-Ray Stellar Spectra — ■Hyunsook Lee, Harvard-Smithsonian Center for Astrophysics; Vinay Kashyap, Harvard-Smithsonian Center for Astrophysics	
2:35 PM	Destructive Effect of the Noise in Principal Component Analysis — ■Katerina Tsakiri, University at Albany; Igor G. Zurbenko, University at Albany	
2:50 PM	Group Variable Selection via Hierarchical LASSO and Its Oracle Property — ■Nengfeng Zhou, The University of Michigan; Ji Zhu, The University of Michigan	
3:05 PM	Model Assessment and Selection for Latent Transition Model — ■Hsiu-Ching Chang, Michigan State University; Hwan Chung, Michigan State University	
3:20 PM	Early Thresholding for High-Dimensional Linear Regression and Variable Selection — ■Xinge J. Jeng, Purdue University; Michael Y. Zhu, Purdue University	
3:35 PM	Shrinkage and Model Selection with Correlated Variables via Weighted Fusion — ■Zhongyin J. Daye, Purdue University; Xinge J. Jeng, Purdue University	
		Add To My Program
446	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-210
Topics in Regression and Dimension Reduction - Contributed - Papers		
Section on Physical and Engineering Sciences, Section on Nonparametric Statistics, Section on Quality and Productivity		
<i>Chair(s): Kary Myers, Los Alamos National Laboratory</i>		
2:05 PM	On Dirichlet Regression Residuals — ■Rafiq Hijazi, United Arab Emirates University	

2:20 PM	Cluster-Based Lack-of-Fit Test for Nonlinear Regression Models — ■Wijith P. Munasinghe, Kansas State University; James W. Neill, Kansas State University; Forrest R. Miller, Kansas State University
2:35 PM	Coresidual Analysis of Linear Models — ■George R. Terrell, Virginia Polytechnic Institute and State University
2:50 PM	Estimation and Testing of Linear Treatment Effects from Matched Pair Data — ■Cornelis J. Potgieter, University of Johannesburg; Fred Lombard, University of Johannesburg
3:05 PM	The Use of Singular Value Decomposition and Infrared Spectroscopy To Study Protein Folding Dynamics — ■Taylor Pressler, Mount Holyoke College
3:20 PM	The Determinant Ratio as a Standardized Index of Data Volume — ■Jason van der Horst, Brigham Young University; Benjamin Heuston, Brigham Young University; Scott Cannon, Brigham Young University; Brian Mead, Brigham Young University; Bruce L. Brown, Brigham Young University
3:35 PM	Floor Discussion

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Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-112

Nonparametric and Semiparametric Regression and Related Problems - Contributed - Papers

Section on Nonparametric Statistics, IMS

Chair(s): Yuedong Wang, University of California, Santa Barbara

2:05 PM	Spline Confidence Bands for Variance Function via Oracle Efficient Estimation — ■Qiongxia Song, Michigan State University; Lijian Yang, Michigan State University
2:20 PM	Inference on Random Effect Variances with Application to the Assessment of Nonlinearity — ■Sonja Greven, Johns Hopkins University; Ciprian M. Crainiceanu, Johns Hopkins University; Fabian Scheipl, Ludwig-Maximilians-University Munich; Helmut Küchenhoff, Ludwig-Maximilians-University Munich; Annette Peters, Helmholtz Zentrum München
2:35 PM	Smooth Regression in Model Selection-Shrinkage and Average — ■Jingyi Liu, University of California, Davis
2:50 PM	AdaSmoothing: Adaptive Smoothing Spline and Its Applications — ■Aijun Zhang, The University of Michigan
3:05 PM	Local Polynomial Composite Quantile Regression — ■Bo Kai, The Pennsylvania State University; Runze Li, The Pennsylvania State University; Hui Zou, The University of Minnesota

3:20 PM	Design-Adaptive Local Polynomial Estimator for the Errors-in-Variables Problem — ■Aurore Delaigle, University of Bristol; Jianqing Fan, Princeton University; Raymond Carroll, Texas A&M University
3:35 PM	A Simple Semiparametric Method for Estimating ARCH Models — ■Li Wang, The University of Georgia; Lijian Yang, Michigan State University; Jianhua Huang, Texas A&M University

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Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-706

Bayesian Regression Models and Variable Selection Methods - Contributed - Papers

Section on Bayesian Statistical Science

Chair(s): David A. van Dyk, University of California, Irvine

2:05 PM	Bayesian Generalized Linear Models with Variable Selection for Various Phenotypes — ■Deukwoo Kwon, National Cancer Institute; Ruth Pfeiffer, National Cancer Institute; Marina Vannucci, Rice University; Maria T. Landi, National Cancer Institute
2:20 PM	Bayesian Analysis of Longitudinal Binary Data Using Markov Regression Models with Skewed Links — Seongho Song, University of Cincinnati; ■Younshik Chung, Pusan National University; Dipak Dey, University of Connecticut; Chansoo Kim, Kongju National University; Junghoon Jang, Korea Food and Drug Administration
2:35 PM	Bayesian Variable Selection for Logistic Regression with Misclassification — ■Stephanie Powers, Baylor University; James Stamey, Baylor University
2:50 PM	Wavelet-Based Bayesian Estimation of Partially Linear Regression Models with Long Memory Errors — ■Kyungduk Ko, Boise State University; Leming Qu, Boise State University; Marina Vannucci, Rice University
3:05 PM	A Bayesian Conceptual Predictive Statistic — ■Andrew Neath, Southern Illinois University Edwardsville; Joseph E. Cavanaugh, The University of Iowa
3:20 PM	Floor Discussion

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Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-101

Regularized Estimation and Inferential Procedures with Applications to Genomics - Contributed - Papers

Biometrics Section, Section on Nonparametric Statistics

Chair(s): Michael Zhang, The Pennsylvania State University

2:05 PM	Boosting Accelerated Failure Time Models for Survival Data with High-Dimensional Covariates — ■Zhu Wang, Yale University; C. Y. Wang, Fred Hutchinson Cancer Research Center
2:20 PM	Augmenting the Bootstrap To Analyze High-Dimensional Genomic Data — ■Svitlana Tyekucheva, The Pennsylvania State University; Francesca Chiaromonte, The Pennsylvania State University
2:35 PM	A General Framework for Bilevel Variable Selection — ■Patrick Breheny, The University of Iowa; Jian Huang, The University of Iowa
2:50 PM	Dimension Reduction in SNP Data Analysis — ■Adarsh Joshi, The University of Texas M.D. Anderson Cancer Center; Jianhua Hu, The University of Texas M.D. Anderson Cancer Center; Valen E. Johnson, The University of Texas M.D. Anderson Cancer Center
3:05 PM	Floor Discussion

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Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-204

Longitudinal, Clustered, and Correlated Data Analysis - Contributed - Papers

Biometrics Section, Biopharmaceutical Section, Section on Survey Research Methods

Chair(s): Igor Melnykov, Colorado State University, Pueblo

2:05 PM	Measuring Impact of Nonignorability in Longitudinal Data with Nonmonotone Nonresponse — ■Hui Xie, University of Illinois at Chicago; Yi Qian, Northwestern University
2:20 PM	A Two-Stage Approach to Survival Analysis with Time-Dependent Covariates from a Time-Varying Means Model: Application of Time to Initiation of Therapy in HIV-Infected Women vs. Men — ■Amanda A. Allshouse, Health Sciences Center University of Colorado Denver ; Samantha MaWhinney, Health Sciences Center University of Colorado Denver ; William Feser, Health Sciences Center University of Colorado Denver ; Amie Meditz, Health Sciences Center University of Colorado Denver; Martin Markowitz, Rockefeller University; Susan Little, University of California, San Diego; Frederick Hecht, University of California, San Francisco; Eric Daar, Harbor UCLA Medical Center; Ann Collier, University of Washington; Joseph Margolick, Johns Hopkins University; Michael Kilby, The University of Alabama; Jean-Pierre Routy, McGill University Health Center; Brian Conway, The University of British Columbia; John Kaldor, National Centre for HIV Epidemiology and Clinical Research; Jay Levy, University of California, San Francisco; Robert Schooley, University of California, San Diego; D. A. Cooper, National Centre for HIV Epidemiology and Clinical Research; Bruce Walker, Partners AIDS Research Center; Douglas Richman, University of California, San Diego; Elizabeth Connick, Health Sciences Center University of Colorado Denver

2:35 PM	Weighting Method for Binary Longitudinal Data with Incomplete Covariates and Outcomes Incorporating Auxiliary Information — ■ Kennedy N. Otwombe, University of the Witwatersrand; Jacky Galpin, University of the Witwatersrand
2:50 PM	Variance Estimation for Correlated Data — ■ Eugenio Andraca-Carrera, The University of North Carolina at Chapel Hill
3:05 PM	Floor Discussion

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451	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-708
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Portfolio Analysis, Exchange Rates, Microstructure, and GARCH Models - Contributed - Papers

Business and Economics Statistics Section

Chair(s): Christopher H. Morrell, Loyola College in Maryland

2:05 PM	Robust Portfolio Selection — ■ Michael Schyns, University of Liege
2:20 PM	Portfolio Choice in Retirement: Health Risk and the Demand for Annuities, Housing, and Risky Assets — ■ Motohiro Yogo, University of Pennsylvania
2:35 PM	Applications of Statistics in Finance Using the Statistics Online Computational Resource (SOCR) — ■ Nicolas Christou, University of California, Los Angeles; Ivo D. Dinov, University of California, Los Angeles
2:50 PM	Market Depth in Agricultural Futures Markets — ■ Julieta Frank, University of Illinois at Urbana-Champaign; Philip Garcia, University of Illinois at Urbana-Champaign
3:05 PM	The Information Content of Trades: A Class of Market Microstructure Models — ■ Anna Valeva, Western Illinois University
3:20 PM	Orthogonal GARCH Models with Structure Breaks — ■ Lingyu Zheng, Temple University
3:35 PM	Floor Discussion

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452 ●	Wed, 8/6/08, 2:00 PM - 3:50 PM	CC-104
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Statistical Issues in Medical Research - Contributed - Papers

Biopharmaceutical Section, WNAR, Section on Health Policy Statistics, Biometrics Section

Chair(s): Fang Liu, Merck Research Laboratories

2:05 PM	'Promotion Bias' in Clinical Research Design, Analysis, and Reporting: A Challenge to Statistical Science — ■Peter B. Imrey, The Cleveland Clinic and Case Western Reserve University
2:20 PM	Statistical Considerations for Comparability Studies — ■Frank Ye, Amgen, Inc; Steve Mitchell, Amgen, Inc
2:35 PM	The Use of Control Charts for the Prospective Monitoring of Long-Term Vaccine Efficacy — ■J. Brooke Marshall, Merck Research Laboratories; David Radley, Merck Research Laboratories; Lisa C. Lupinacci, Merck Research Laboratories
2:50 PM	Meta-Regression of Placebo Response — ■Dawn Odom, RTI Health Solutions; Jianmin Wang, RTI Health Solutions; William Irish, RTI Health Solutions
3:05 PM	Acceptance Criteria in the Evaluation of Blood Products — ■Tie-Hua Ng, U.S. Food and Drug Administration
3:20 PM	Roles of Meta-Analysis in Global Drug Development — ■Peter H. Zhang, Otsuka Pharmaceutical Development & Commercialization, Inc.; Rose Hu, Fast-Track Drugs and Biologics
3:35 PM	Floor Discussion

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Wed, 8/6/08, 2:00 PM - 3:50 PM

CC-F Lobby

Contributed Poster Presentations - Contributed - Poster Presentations

Biometrics Section, Biopharmaceutical Section, Section on Bayesian Statistical Science, Section on Quality and Productivity, Section on Risk Analysis, Section on Statistics and the Environment, Section on Statistics in Sports

Organizer(s): John Castelloe, SAS Institute Inc.

Chair(s): John Castelloe, SAS Institute Inc.

Poster Topic: *Bayesian statistics, hierarchical models:*

61:	Sample Size Estimation for Equivalence and Noninferiority Tests — ■Jie Wang, Baylor University
62:	Bayesian Inference on Relative Risk Incorporating Multiple Covariates — Qianqiu Li, Wyeth Research; ■Yonggang Zhao, Wyeth Research
63:	Bayesian Data Assimilation for Parameter Estimation in Hydrological Systems — ■Darl D. Flake, II, Utah State University; Mevin B. Hooten, Utah State University; Luis A. Bastidas, Utah State University
64:	Bayesian Nonparametric Polya Tree Mixture Models with Application to Random Effects Meta-Analysis — ■Adam Branscum, University of Kentucky; Timothy Hanson, The University of Minnesota

65:	A Bayesian Bivariate Random-Effects Meta-Analysis for Two Correlated Outcomes Using Individual Patient Data — Ying Yang, Bristol-Myers Squibb Company; ■Kao-Tai Tsai, Bristol-Myers Squibb Company
66:	Assessing Local Model Fit in Bayesian Regression Models Using the Partitioned Deviance Information Criterion — ■David Wheeler, Emory University; Lance Waller, Emory University; DeMarc A. Hickson, University of Mississippi Medical Center
67:	Bayesian Objective Testing of Hardy-Weinberg Equilibrium — ■Brenda Betancourt, University of Puerto Rico; Maria E. Perez, University of Puerto Rico
68:	A Sequential Bayesian Approach to Distributed Source Localization in Wireless Sensor Networks — ■Soma Dhavala, Texas A&M University; Rajesh Talluri, Texas A&M University; Aleksandar Dogandzic, Iowa State University
Poster Topic: <i>Environmetrics, ecology, agriculture, wildlife management:</i>	
69:	It Really Is Getting Warmer — ■Jun Lu, Texas Tech University; Anton Kliever, Texas Tech University; Clyde Martin, Texas Tech University
70:	Are We Getting More Rain? — ■Anton Kliever, Texas Tech University; Clyde Martin, Texas Tech University
71:	Comparison of Soil Temperatures at Agricola and Pascagoula, MS — ■Madhuri S. Mulekar, University of South Alabama; Sytske Kimball, University of South Alabama; Jacob V. Sowell, University of South Alabama
72:	Generalized Linear Modeling Approach to Stochastic Weather Generators — ■Eva M. Furrer, National Center for Atmospheric Research; Richard W. Katz, National Center for Atmospheric Research
73:	Association Between Fine Indoor Particulate Pollution and Pulmonary Function — ■Robert L. James, Rho, Inc.; Agustin Calatroni, Rho, Inc.; Herman Mitchell, Rho, Inc.
74:	Estimating Limit of Detection in Bioassay — ■Changjian Jiang, Monsanto Company
75:	An International Comparison of Drinking Water Regulations — ■Eric Guttorp, University of Washington; Peter Guttorp, University of Washington; Duru Altug, University of Washington
76:	An Adaptive Sampling Procedure for Estimating Heavy Metal Pollutants of Ground Water from Soil — ■Ismaila A. Adeleke, University of Lagos; Ray Okafor, University of Lagos; Ebenezer O. Esan, University of Lagos; Kehinde Olayinka, University of Lagos; Aderonke Oyeyiola, University of Lagos; Anthanasius Opara, University of Laos

77:	A Bootstrap Model for Estimating the Concentration of Some Heavy Metals To Determine Contaminant Risk to Ground Water from Soil — ■Ray Okafor, University of Lagos; Ismaila A. Adeleke, University of Lagos; Ebenezer O. Esan, University of Lagos; Kehinde Olayinka, University of Lagos; Aderonke Oyeyiola, University of Lagos; Shakirudeen Odunuga, University of Lagos; Dallah Hamadu, University of Lagos
78:	Optimization of Nonlinear Parameters Used To Model Rice Drying — ■Andy Mauromoustakos, University of Arkansas; Terry Siebenmorgen, University of Arkansas; Vir Gayanilo, University of Arkansas; Rasty Bautista, University of Arkansas
79:	Challenges and Solutions for Assessing the Long-Term (1989--2007) Effects of a Marine Oil Terminal in Alaska on the Marine Sediment Environment — ■Army L. Blanchard, University of Alaska Fairbanks
80:	Density Function Solutions of Population Size Models — ■James Matis, Texas A&M University; Thomas Kiffe, Texas A&M University; Timothy Matis, Texas A&M University; Wopke van der Werf, Wageningen University; Alejandro Costamagna, The University of Minnesota; G. Jerry Michels, Jr., Texas A&M University
Poster Topic: <i>QC, operation research, risk assessment:</i>	
81:	An Improved Method for Retrospective Analysis of Multivariate Individual Observations — ■Joe H. Sullivan, Mississippi State University
82:	Monitoring Simultaneously the Mean Vector and Covariance Matrix in Process Industries — ■John C. Young, McNeese State University; Robert L. Mason, Southwest Research Institute; Youn-Min Chou, The University of Texas at San Antonio
83:	Using Stepwise Discriminant Analysis as a Post-Hoc Procedure to a Significant Hotelling's T2 Control Chart — Jay Schaffer, University of Northern Colorado; ■Emily Pollock, University of Northern Colorado
84:	Development of Chart Parameters and ARLS for the Expansion of the MEWMS and MEWMV with Individual Observations — Jay Schaffer, University of Northern Colorado; ■Chad Eshelman, University of Northern Colorado
85:	Reduction in Residential Energy Consumption — ■Seema Seema, McNeese State University; Rebekah A. Griffith, McNeese State University; D. John Griffith, Jr., McNeese State University
86:	Start-Up Demonstration Tests Using Scans and Intermediate Performance Levels — ■William S. Griffith, University of Kentucky; Michelle Smith, Eastern Kentucky University; Ken Dutch, Eastern Kentucky University
87:	Sensitivity to Distance, Baseline Distributions, and Forecast Evaluation in Decision and Risk Analysis — ■Victor R. Jose, Duke University; Robert Nau, Duke University; Robert Winkler, Duke University

Poster Topic: Sports, art, entertainment:		
88:	Contracts and Performance in Major League Baseball — ■ Elaine Allen, Babson College; Julia Seaman, Pomona College	
89:	Simulating a College Basketball Universe — ■ Robert B. Davis, Miami University	
90:	SiSSYS: Student Work from a Capstone Course Using Sports Data - Part I — ■ Robin Lock, St. Lawrence University; Travis Atkinson, St. Lawrence University; Michael Schuckers, St. Lawrence University	
91:	SiSSYS: Student Work from a Capstone Course Using Sports Data - Part II — ■ Travis Atkinson, St. Lawrence University; Robin Lock, St. Lawrence University; Michael Schuckers, St. Lawrence University	
92:	Determination and Analysis of Factors Determining the Outcomes of National Football League Games — ■ Christopher Cohea, Oklahoma State University; Mark E. Payton, Oklahoma State University	
93:	Analysis of Motorcycle Grand Prix Lap Times — ■ Leanne Streja, University of California, Los Angeles; Robert E. Weiss, University of California, Los Angeles; Catherine A. Sugar, University of California, Los Angeles	
94:	A Model of Playing Time for Pitchers in Major League Baseball — ■ Michael Greene, Deloitte Consulting, LLP	
Add To My Program		
CE_41T	Wed, 8/6/08, 3:00 PM - 4:45 PM	HY-Capitol Ballroom 1
Exact Methods Module for East® 5: Design, Simulate, Analyze, and Monitor Binomial Endpoint Trials by Exact Inference Methods - Continuing Education - CTW		
ASA		
<i>Instructor(s): Anthiyur Kannappan, Cytel Inc., Pralay Senchuadhuri, Cytel Inc.</i>		
<p>We will present a newly added special module, "Exact Methods" for East® 5, to design, simulate, analyze, and monitor binomial endpoint trials by exact inference methods. This module includes procedures for Simon's two-stage optimal, one sample (group sequential), paired proportions, two sample superiority (difference, ratio, Fisher's), two sample noninferiority (difference, ratio), and two sample equivalence. This module will be especially suitable to situations where the sample sizes are not expected to be large. The usual features of East®-boundary chart, enhanced simulation, and interim monitoring capability-are available for the procedures in this module. The additional feature is the ability to input 2x2 data in the interim monitoring sheet and get the exact inference method results there.</p>		
Add To My Program		

CE_42T	Wed, 8/6/08, 3:00 PM - 4:45 PM	HY-Capitol Ballroom 3
Structural Analysis of Time Series Using the SAS/ETS UCM Procedure - Continuing Education - CTW		
ASA		
<i>Instructor(s): Rajesh Selukar, SAS Institute Inc.</i>		
<p>This workshop will introduce the SAS/ETS UCM procedure, which enables analysis of time series data by using structural models. Structural models provide regression-like decomposition of the response series into components such as trend, seasonal or other periodic, and linear and nonlinear regression effects. Apart from the series forecasts, this methodology provides estimates of these unobserved components, which are useful in practical decisionmaking. Participants will learn to identify, diagnose, and use structural time series models for time series data in a variety of situations. The course will cover novel time series techniques, including approximation of long and complex seasonal patterns by using splines and incorporation of linear and nonlinear regression effects with time varying coefficients. Several real-life examples will be used to demonstrate the functionality of the UCM procedure. Participants also will learn the relationship between the ARIMA models-another class of models widely used for analyzing time series data-and structural models.</p>		
		Add To My Program
CE_43T	Wed, 8/6/08, 3:00 PM - 4:45 PM	HY-Capitol Ballroom 7
Advances in Data Mining: Jerome Friedman's TreeNet/MART and Leo Breiman's Random Forests - Continuing Education - CTW		
ASA		
<i>Instructor(s): Mikhail Golovnya, Salford Systems</i>		
<p>This workshop will present Leo Breiman's Random Forests and Jerome Friedman's TreeNet/MART. Random Forests and MART/TreeNet are advances to classification and regression tree software, which enable the modeler to construct predictive models of extraordinary accuracy. Random Forest is a tree-based procedure that makes use of bootstrapping and random feature generation. In TreeNet, classification and regression models are built gradually through a potentially large collection of small trees, each of which improves on its predecessor through an error-correcting strategy. I will show how the software is used to solve real-world data mining problems, discuss theory and what is novel in the software, highlight implementation, compare the two methodologies, and show where the software fits in terms of other data mining software.</p>		
		Add To My Program
454	Wed, 8/6/08, 4:00 PM - 5:50 PM	CC-Four Seasons Ballroom
COPSS Awards and Fisher Lecture - Invited - Papers		

ASA, ENAR, IMS, SSC, WNAR, Committee of Presidents of Statistics Societies, Biometrics Section

Organizer(s): Madhuri S. Mulekar, University of South Alabama

Chair(s): Jessica Utts, University of California, Irvine

4:00 PM	Presentation of Awards — ■ Jessica Utts, University of California, Irvine
4:20 PM	The Population Science Research Agenda and the Women's Health Initiative — ■ Ross L. Prentice, Fred Hutchinson Cancer Research Center/The University of Washington
5:30 PM	Floor Discussion

Add To My Program	
Wed, 8/6/08, 5:30 PM - 6:30 PM	CC-202

Student's Tea: A Get-Together for Students Interested in Statistics Education

Section on Statistical Education

Chair(s): Jackie Miller, The Ohio State University

Add To My Program	
Wed, 8/6/08, 6:00 PM - 7:00 PM	CC-207

International Chinese Statistical Association Annual Members Meeting

International Chinese Statistical Association

Organizer(s): Ming-Hui Chen, University of Connecticut

Add To My Program	
Wed, 8/6/08, 6:00 PM - 7:30 PM	HY-Monarch Suite

2008 JSM Program Committee/ACCE/Local Area Committee Appreciation Reception (by invitation only)

JSM 2008 Program Committee, Committee on Meetings, JSM 2008 Local Area Committee, Advisory Committee on Continuing Education

Chair(s): Eileen King, The Procter & Gamble Co, Russell Lenth, The University of Iowa, Xiao-Li Meng, Harvard University

Add To My Program	
Wed, 8/6/08, 6:00 PM - 7:30 PM	CC-103

Section on Survey Research Methods Business Meeting		
Section on Survey Research Methods		
<i>Chair(s): Mary H. Mulry, U.S. Census Bureau</i>		
		Add To My Program
	Wed, 8/6/08, 6:30 PM - 8:00 PM	CC-202
Section on Statistical Education Business Meeting		
Section on Statistical Education		
<i>Chair(s): Linda J. Young, University of Florida</i>		
		Add To My Program
	Thu, 8/7/08, 7:00 AM - 10:30 AM	CC-A Lobby
Cyber Center		
		Add To My Program
	Thu, 8/7/08, 7:30 AM - 10:30 AM	CC-A Lobby
ASA Membership/Special Assistance/Press Desk		
		Add To My Program
	Thu, 8/7/08, 7:30 AM - 10:30 AM	CC-A Lobby
JSM Main Registration		
		Add To My Program
	Thu, 8/7/08, 7:30 AM - 10:00 AM	CC-A Lobby
ASA Marketplace		
		Add To My Program
	Thu, 8/7/08, 8:00 AM - 6:00 PM	CC-Main Lobby
Denver Visitors Information Center		
		Add To My Program

	Thu, 8/7/08, 8:00 AM - 9:30 AM	CC-208
Council of Sections Meeting 2		
Council of Sections		
<i>Chair(s): Linda Gage, California Department of Finance</i>		
		Add To My Program
203650	Thu, 8/7/08, 8:00 AM - 5:00 PM	CC--South Shuttle Bus Drop Off/14th & California
TR12 - Rocky Mountain National Park/Grand Lakes Tour		
Take a brief tour through historic Estes Park on your way to Rocky Mountain National Park, where you will see elk, deer, and other wildlife. Next, you will travel to Grand Lake, the largest natural lake in Colorado. Advance Tickets: \$63 per person; On-site Tickets: \$68 per person		
		Add To My Program
455 ●	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-112
Time Series Analysis via Mechanistic Models - Invited - Papers		
Biometrics Section		
<i>Organizer(s): Edward L. Ionides, The University of Michigan</i>		
<i>Chair(s): Carles Breto, Universidad Carlos III de Madrid</i>		
8:35 AM	Fitting Embedded Population Dynamics Models to Animal Abundance Time Series Data — ■ Ken B. Newman, U.S. Fish and Wildlife Service; Carmen Fernandez, Instituto Espanol de Oceanografia; Len Thomas, University of St Andrews; Steve Buckland, University of St Andrews	
9:00 AM	Discovering Hidden Latent Components in Continuous-Time Dynamical Systems — ■ Giles Hooker, Cornell University	
9:25 AM	A Bayesian SEIR Approach to Modeling Epidemics — ■ Vanja Dukic, The University of Chicago; Greg Dwyer, The University of Chicago; Bret Elder, The University of Chicago	
9:50 AM	Disc: Edward L. Ionides, The University of Michigan	
10:10 AM	Floor Discussion	
		Add To My Program
456 ● ▲	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-203
Reducing Disclosure Risks While Reaching Out to the Data Needs of the Public - Invited - Papers		

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section

Organizer(s): Tom Krenzke, Westat, Inc.

Chair(s): Marilyn Seastrom, National Center for Education Statistics

8:35 AM	Releasing Microdata: Disclosure Risk Estimation, Data Masking, and Assessing Utility — ■Natalie Shlomo, University of Southampton
9:00 AM	Web-Based Data Query Tools: Meeting User Needs — ■J. Neil Russell, National Center for Education Statistics
9:25 AM	New Ways To Provide More and Better Data to the Public While Still Protecting Confidentiality — ■Laura V. Zayatz, U.S. Census Bureau
9:50 AM	Disc: Jean-Louis Tambay, Statistics Canada
10:10 AM	Floor Discussion

[Add To My Program](#)

457 ● ▲

Thu, 8/7/08, 8:30 AM - 10:20 AM

CC-104

Analysis and Sample Size for Cluster Samples: Community-Based and Group-Randomized Designs - Invited - Papers

ENAR, Section on Survey Research Methods, WNAR, Biometrics Section

Organizer(s): Keith E. Muller, University of Florida

Chair(s): Keith E. Muller, University of Florida

8:35 AM	Estimation and Inference for Group-Randomized Trials with a Binary Outcome — ■Sherri L. Pals, Centers for Disease Control and Prevention
8:55 AM	Power for Clustered Gaussian Data — ■Jacqueline L. Johnson, Novartis Pharmaceuticals; Keith E. Muller, University of Florida; Diane J. Catellier, The University of North Carolina at Chapel Hill; Mildred M. Maldonado-Molina, University of Florida; Kelli A. Komro, University of Florida
9:15 AM	Estimation and Inference for Clustered Gaussian Data — ■Diane J. Catellier, The University of North Carolina at Chapel Hill; Jacqueline L. Johnson, Novartis Pharmaceuticals; Keith E. Muller, University of Florida
9:35 AM	Internal Pilot Designs for Cluster Samples — ■Christopher S. Coffey, The University of Alabama at Birmingham; Matthew J. Gurka, University of Virginia; Keith E. Muller, University of Florida
9:55 AM	Disc: David M. Murray, The Ohio State University
10:15 AM	Floor Discussion

		Add To My Program
458  	Thu, 8/7/08, 8:30 AM - 10:20 PM	CC-701
Data Depth--Based and Related Nonparametric Multivariate Procedures - Invited - Papers		
Section on Nonparametric Statistics, IMS		
<i>Organizer(s): Yijun Zuo, Michigan State University</i>		
<i>Chair(s): Ronald Randles, University of Florida</i>		
8:35 AM	Nonparametric Outlier Identification in Multivariate and Functional Data Settings and Beyond —  Robert Serfling, The University of Texas at Dallas	
9:05 AM	Data Depth--Based Inference Procedures That Outperform Classical T (or T^2 in High D) Procedures —  Yijun Zuo, Michigan State University	
9:35 AM	Data Depth--Based Nonparametric Methods for Multivariate Right-Censored Observations —  Shojaeddin Chenouri, University of Waterloo	
10:05 AM	Floor Discussion	
		Add To My Program
459 	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-206
Statistical Aspects of Regional Climate Modeling - Invited - Papers		
Section on Statistics and the Environment, WNAR		
<i>Organizer(s): Richard L. Smith, The University of North Carolina at Chapel Hill</i>		
<i>Chair(s): Richard L. Smith, The University of North Carolina at Chapel Hill</i>		
8:35 AM	The North American Regional Climate Assessment Program (NARCCAP): Overview and Early Results —  Linda O. Mearns, National Center for Atmospheric Research	
9:05 AM	Models and Models: Combining Regional Climate Model Output via Multivariate Spatial Models —  Stephan Sain, National Center for Atmospheric Research	
9:35 AM	Investigating Concurrently High Values of Convective Available Potential Energy (CAPE) and Wind Shear in Global Reanalysis and Climate Model Output —  Eric Gilleland, National Center for Atmospheric Research	
10:05 AM	Floor Discussion	
		Add To My Program
460  	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-205
Statistical Measures Can Help Restore Confidence in U.S. Elections - Invited - Papers		

Social Statistics Section, Section on Government Statistics, Section on Survey Research Methods, Scientific and Public Affairs Advisory Committee

Organizer(s): Mary Batcher, Ernst & Young LLP

Chair(s): Mary Batcher, Ernst & Young LLP

8:35 AM [National Election Scorecard](#) — Fritz Scheuren, The University of Chicago; ■Edward Mulrow, National Opinion Research Center

9:05 AM [Voter Confidence and the Election Day Voting Experience](#) — ■J. Quin Monson, Brigham Young University; Kelly Patterson, Brigham Young University; David Magleby, Brigham Young University; Ryan Claassen, Kent State University

9:35 AM [How ASA Members Are Helping States Improve Elections](#) — ■Arlene S. Ash, Boston University

10:05 AM Floor Discussion

[Add To My Program](#)

461 ● ▲

Thu, 8/7/08, 8:30 AM - 10:20 AM

CC-710

Symbolic Data: Theory and Methods - Invited - Papers

IMS, Section on Nonparametric Statistics

Organizer(s): Anand N. Vidyashankar, Cornell University

Chair(s): Matthieu Vrac, Ecole Polytechnique

8:35 AM [Symbolic Data Examples, Analytic Aspects, and SODAS Software](#) — ■Edwin Diday, Paris Dauphine University

9:00 AM [Mixture Modeling of Symbolic Data](#) — Matthieu Vrac, Ecole Polytechnique; Edwin Diday, Paris Dauphine University; ■Lynn Billard, The University of Georgia

9:25 AM [Regression Models for Symbolic Interval-Valued Data](#) — ■Francisco de A.T. De Carvalho, Centro de Informatica - CIn/UFPE; Eufrasio de A. Lima Neto, Centro de Informatica - CIn/UFPE

9:50 AM Disc: Anand N. Vidyashankar, Cornell University

10:10 AM Floor Discussion

[Add To My Program](#)

462 ● ▲

Thu, 8/7/08, 8:30 AM - 10:20 AM

CC-703

Statistics in Biopharmaceutical Research: The ASA's New Journal - Invited - Papers

Statistics in Biopharmaceutical Research Journal, Biopharmaceutical Section, WNAR

<i>Organizer(s): Joseph Heyse, Merck Research Laboratories</i>		
<i>Chair(s): Joseph Heyse, Merck Research Laboratories</i>		
8:35 AM	A Conditional T Suite of Tests for Identifying Differentially Expressed Genes in a DNA Microarray Experiment with Little Replication — ■Dhammika Amaratunga, Johnson & Johnson Pharmaceutical R&D, LLC; Javier Cabrera, Rutgers, The State University of New Jersey	
9:00 AM	Methods for Assessing Improvement in Specificity When a Biomarker Is Combined with a Standard Screening Test — ■Pamela A. Shaw, National Institute of Allergies and Infectious Diseases; Margaret S. Pepe, Fred Hutchinson Cancer Research Center; Todd A. Alonzo, University of Southern California; Ruth Etzioni, Fred Hutchinson Cancer Research Center	
9:25 AM	Nonproportional Hazards and the Power of Sequential Tests — ■Qi Jiang, Amgen, Inc; Steven Snapinn, Amgen, Inc	
9:50 AM	Disc: Robert O'Neill, U.S. Food and Drug Administration	
10:10 AM	Floor Discussion	
		Add To My Program
463  	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-705
Communicating Statistics: Speaking Out and Reaching Out - Invited - Papers		
Section on Statistical Consulting, Section on Quality and Productivity, Section on Statistics in Epidemiology, Section on Teaching Statistics in the Health Sciences, WNAR		
<i>Organizer(s): Stephan Ogenstad, Statogen Consulting LLC</i>		
<i>Chair(s): Brenda Gaydos, Eli Lilly and Company</i>		
8:35 AM	Acquiring Knowledge and Deep Understanding of an Application Field — ■Stephan Ogenstad, Statogen Consulting LLC	
9:00 AM	Communicating Statistics to Nonstatisticians Clearly and Persuasively — ■Lothar T. Tremmel, Cephalon	
9:25 AM	Attributes of Effective Statistical Leadership in Organizations — ■Thomas W. Dobbins, Merck & Co., Inc.	
9:50 AM	Disc: James J. Grady, The University of Texas Medical Branch	
10:10 AM	Floor Discussion	
		Add To My Program
464  	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-108
Meeting Within a Meeting: Promoting Quantitative Literacy by Helping Mathematics and Science Teachers Improve Their Skills in Teaching Statistics - Invited - Panel		

Advisory Committee on Teacher Enhancement, Section on Statistical Education		
<i>Organizer(s): Paul J. Fields, Brigham Young University</i>		
<i>Chair(s): Paul J. Fields, Brigham Young University</i>		
Abstract:	Promoting Quantitative Literacy by Helping Mathematics and Science Teachers Improve Their Skills in Teaching Statistics: The ASA's Meeting Within a Meeting (MWM) Program	
Panelists:	<ul style="list-style-type: none"> ■ Katherine T. Halvorsen, Smith College ■ Nari Carter, Brigham Young University ■ Aleisha Coleman, Navigator Pointe Academy ■ Jenna Mortensen, Brigham Young University ■ Rebecca Nichols, The American Statistical Association 	
10:15 AM	Floor Discussion	
		Add To My Program
465 ●	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-111
Challenges and Opportunities for Using R and Other Software in Introductory and Intermediate Probability and Statistics Courses - Topic Contributed - Papers		
Section on Statistical Education, Section on Nonparametric Statistics, Section on Teaching Statistics in the Health Sciences		
<i>Organizer(s): Michael D. Larsen, Iowa State University</i>		
<i>Chair(s): Michael D. Larsen, Iowa State University</i>		
8:35 AM	Using R in Probability and Mathematical Statistics Courses — ■ Amy Froelich, Iowa State University	
8:55 AM	Introductory and Advanced Statistics with a Spreadsheet Interface and Spreadsheet Tools — ■ Richard M. Heiberger, Temple University; Erich Neuwirth, University of Vienna	
9:15 AM	'Software as a Service': Providing Open Access to Statistical Software Using ASP.NET — ■ Neil Polhemus, StatPoint Technologies, Inc.	
9:35 AM	Experiences Using R To Teach Undergraduate Statistics Courses: Enabling Critical Thinking — ■ Philip Turk, West Virginia University	
9:55 AM	Floor Discussion	
		Add To My Program
466 ● ▲	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-207
Nonresponse Bias and Callbacks in Household and Establishment Surveys - Topic Contributed - Papers		

Section on Survey Research Methods, Section on Government Statistics, Social Statistics Section		
<i>Organizer(s): John L. Eltinge, Bureau of Labor Statistics</i>		
<i>Chair(s): Brian Harris-Kojetin, U.S. Office of Management and Budget</i>		
8:35 AM	Models for Callback Procedures and Mode Effects in Household and Establishment Surveys — ■John L. Eltinge, Bureau of Labor Statistics	
8:55 AM	Efficiency and Bias in Differential Contact Strategies — ■Stephanie Eckman, National Opinion Research Center/JPSM; Colm O'Muircheartaigh, The University of Chicago	
9:15 AM	Nonresponse Bias Analysis Using Critical Item-Only Respondents for the National Survey of Recent College Graduates — ■Donsig Jang, Mathematica Policy Research, Inc.; Xiaojing Lin, Mathematica Policy Research, Inc.; Kelly Kang, National Science Foundation	
9:35 AM	Properties of Callback Procedures Under Moderate Deviations from Specified Models — ■Randall Powers, Bureau of Labor Statistics; John L. Eltinge, Bureau of Labor Statistics	
9:55 AM	Disc: Nancy Kirkendall, Energy Information Administration (retired)	
10:15 PM	Floor Discussion	
		Add To My Program
467	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-212
Bayesian Issues in Medical Devices - Topic Contributed - Papers		
Section on Bayesian Statistical Science, Biopharmaceutical Section, Section on Health Policy Statistics		
<i>Organizer(s): Telba Irony, U.S. Food and Drug Administration, Roseann White, Abbott Vascular</i>		
<i>Chair(s): Roseann White, Abbott Vascular</i>		
8:35 AM	A Semiparametric Bayesian Approach to Meta-Analysis of Clinical Trials — ■Lijuan Deng, Boston Scientific Corporation; Pulak Ghosh, Georgia State University	
8:55 AM	Assessing the Agreement Between Two Measurements: A Bayesian Alternative to Limits of Agreement — ■Cody Hamilton, Edwards Lifesciences	
9:15 AM	Sample Size: When Bigger Is Not Necessarily Better — ■Jeng Mah, American Medical Systems, Inc.	
9:35 AM	Increasing Power for Early Stopping via Bayesian Prediction in a Medical Device Clinical Trial — ■Andrew Mugglin, The University of Minnesota	
9:55 AM	Disc: Telba Irony, U.S. Food and Drug Administration	

10:15 AM	Floor Discussion	
		Add To My Program
468	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-202
Approaches to Maintaining Confidentiality and Privacy in Surveys - Topic Contributed - Papers		
Section on Government Statistics, Section on Survey Research Methods, Social Statistics Section		
<i>Organizer(s): Jonaki Bose, Substance Abuse and Mental Health Services Administration</i>		
<i>Chair(s): Jonaki Bose, Substance Abuse and Mental Health Services Administration</i>		
8:35 AM	Total Confusion: Disclosure Risk Assessment for Queriable Web-Based Reporting Systems in a Public Health Context — ■Kevin J. Konty, New York City Department of Health and Mental Hygiene	
8:55 AM	Controlling Disclosure Risk in Synthetic Public Use Microdata: The Longitudinal Business Database — ■Arnold Reznek, U.S. Census Bureau; John Abowd, Cornell University; Saki Kinney, Duke University; Jerome Reiter, Duke University; Javier Miranda, U.S. Census Bureau	
9:15 AM	New Developments in the Protection of Confidential Data — ■Sam Hawala, U.S. Census Bureau	
9:35 AM	Selective Rounding: A Better Alternative to Conventional Rounding of Tabular Data — ■Ramesh A. Dandekar, Energy Information Administration	
9:55 AM	Truncated Triangular Distribution for Multiplicative Noise and Domain Estimation — ■Jay J. Kim, National Center for Health Statistics; Dong M. Jeong, Korea National Statistical Office	
10:15 AM	Floor Discussion	
		Add To My Program
469 ●	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-706
Time Series, State Space Models, and Other Reflections on the Work of Bob Shumway - Topic Contributed - Papers		
Section on Physical and Engineering Sciences		
<i>Organizer(s): Mitchell Watnik, California State University, East Bay</i>		
<i>Chair(s): Mitchell Watnik, California State University, East Bay</i>		
8:35 AM	Estimating the Selection Gradient of a Function-Valued Trait — ■Jay H. Beder, University of Wisconsin-Milwaukee	

8:55 AM	Estimation of Multiple Signals from Seismic Array Data — ■ Joshua Kerr, California State University, East Bay
9:15 AM	State-Space Discrimination and Clustering of Atmospheric Time Series Data Based on Kullback Information Measures — ■ Joseph E. Cavanaugh, The University of Iowa; Thomas Bengtsson, Bell Labs, Alcatel-Lucent
9:35 AM	You Make the Earth Move Under My Feet — ■ David Stoffer, University of Pittsburgh
9:55 AM	Disc: Kathryn Prewitt, Arizona State University
10:15 AM	Floor Discussion
Add To My Program	
470	Thu, 8/7/08, 8:30 AM - 10:20 AM CC-707
Quantifying and Hedging Operational Risk - Topic Contributed - Papers	
Section on Risk Analysis	
<i>Organizer(s): Bonnie Ray, IBM T. J. Watson Research Center</i>	
<i>Chair(s): Susan J. Simmons, The University of North Carolina, Wilmington</i>	
8:35 AM	Business Process-Based Risk Analysis for Enterprise Risk Management — ■ Bonnie Ray, IBM T. J. Watson Research Center; Lea Deleris, IBM T. J. Watson Research Center; Christian Toft-Nielsen, IBM Business Performance Services; Mihir Shah, IBM Business Performance Services
8:55 AM	Data- and Model-Oriented Decision Support Systems for Anti-Fraud Automation — ■ Raul Moreno, Nara Niva; David Rios Insua, Universidad Rey Juan Carlos
9:15 AM	Service Project Risk Estimation — ■ Pu Huang, IBM T. J. Watson Research Center
9:35 AM	Measuring the Impact of IT Capital Investment in Reducing Operational Risk — ■ Deborah Cernauskas, IBM; Colin Lawrence, FSA
9:55 AM	Combining Measures of Risk Across Dependent Series — ■ Katherine B. Ensor, Rice University
10:15 AM	Floor Discussion
Add To My Program	
471 ●	Thu, 8/7/08, 8:30 AM - 10:20 AM CC-704
Component-Based Structural Equation Modeling - Topic Contributed - Papers	
Section on Statistics and Marketing	

<i>Organizer(s): Michel Tenenhaus, HEC Paris</i>		
<i>Chair(s): Anita Prinzie, The University of Manchester</i>		
8:35 AM	VisualGSCA: A Graphical User Interface Software Program for Generalized Structured Component Analysis — ■Heungsun Hwang, McGill University	
8:55 AM	Component-Based Structural Equation Modeling for Small Samples: A Comparison Between PLS, GSCA, and ULS-SEM — ■Michel Tenenhaus, HEC Paris	
9:15 AM	The Contribution of PLS Regression to PLS Path Modelling: Formative Measurement Model and Causality Network in the Structural Model — ■Vincenzo Esposito Vinzi, ESSEC Business School of Paris and Singapore	
9:35 AM	Searching for a Group Structure in PLS Structural Equation Models: PLS Typological Path Modeling — ■Silvia Squillacciotti, EDF R&D	
9:55 AM	The PLS-CBSEM Debate and an Investigation of Alternative Modeling Methods — ■Irene R.R. Lu, York University; D. Roland Thomas, Carleton University; Ernest Kwan, York University; Marzena Cedzynski, Carleton University	
10:15 AM	Floor Discussion	
		Add To My Program
472 ●●▲	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-105
Assessing Bias in Pre-Clinical and Clinical Diagnostic Studies - Topic Contributed - Papers		
Section on Statistics in Epidemiology , Biopharmaceutical Section, WNAR, Biometrics Section		
<i>Organizer(s): Lakshmi Vishnuvajjala, U.S. Food and Drug Administration</i>		
<i>Chair(s): Patrick Meyers, Abbott Laboratories</i>		
8:35 AM	Different Schemes of Verification Bias in Evaluating Medical Tests — ■Marina V. Kondratovich, U.S. Food and Drug Administration	
8:55 AM	Outliers in Method Comparison Studies — ■Geraldine Rauch, Roche Diagnostics GmbH; Andrea Geistanger, Roche Diagnostics GmbH; Jurgen Timm, University of Bremen	
9:15 AM	Partial Least Squares Observer for Detection of Breast Cancer Lesions in Images — ■Laura Thompson, U.S. Food and Drug Administration	
9:35 AM	Assessment of Surrogate Endpoint for Prediction of Clinical Outcome in Drug-Eluting Stent Trials — ■Hong Wang, Boston Scientific Corporation; Don Wang, Boston Scientific Corporation; Carola Alfaro, Boston Scientific Corporation	

9:55 AM	Exploration of Different Test Methods on Ordinal Data from Preclinical Studies — ■Yongyi A. Yu, Boston Scientific Corporation; So Jung Imm, Boston Scientific Corporation	
10:15 AM	Floor Discussion	
		Add To My Program
473	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-110
Statisticians: Speaking Out and Reaching Out on Global Health - Topic Contributed - Panel		
Section on Health Policy Statistics, Section on Statistics in Epidemiology, Social Statistics Section		
<i>Organizer(s): Roger W. Hoerl, GE Global Research</i>		
<i>Chair(s): Madhumita (Bonnie) Ghosh-Dastidar, RAND Corporation</i>		
Abstract:	Statisticians: Speaking Out and Reaching Out on Global Health Policy	
Panelists:	■Roger W. Hoerl, GE Global Research ■Donna Stroup, Data for Solutions, Inc. ■Stephen Pierson, The American Statistical Association	
10:05 AM	Floor Discussion	
		Add To My Program
474	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-201
Measurement Error Models and Matrix Sampling - Contributed - Papers		
Section on Survey Research Methods, Section on Government Statistics		
<i>Chair(s): Abera Wouhib, National Center for Health Statistics</i>		
8:35 AM	Evaluation of Error Components in a Simulation-Based Evaluation of a Survey Procedure — ■Moon J. Cho, Bureau of Labor Statistics; John L. Eltinge, Bureau of Labor Statistics	
8:50 AM	A Protocol Calibration Experiment in a Longitudinal Survey with Errors-in-Variables — ■Cindy Yu, Iowa State University; Jason C. Legg, Iowa State University	
9:05 AM	Measurement Error Models for Physical Activity Assessments with Application to NHANES — ■Nicholas Beyler, Iowa State University; Sarah Nusser, Iowa State University; Gregory Welk, Iowa State University	
9:20 AM	An Application of Matrix Sampling and Multiple Imputation: The Decisions Survey — Mick P. Couper, The University of Michigan; ■Trivellore Raghunathan, The University of Michigan; John Van Hoewyk, The University of Michigan; Sonja Ziniel, The University of Michigan	

9:35 AM	Multiple Imputation for Latent Variables in Classical Test Theory for Cluster Samples: A Simulation Study — ■Tiandong Li, Westat, Inc.; Robert Mislevy, University of Maryland, College Park
9:50 AM	Adaptive Matrix Sampling for the Consumer Expenditure Interview Survey — ■Jeffrey M. Gonzalez, Bureau of Labor Statistics; John L. Eltinge, Bureau of Labor Statistics
10:05 AM	Imputing Responses to Nonexistent Questions — ■Peter Frechtel, RTI International

[Add To My Program](#)

475 ●	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-101
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Applications of Epidemiologic Models - Contributed - Papers

Section on Statistics in Epidemiology, Biometrics Section

Chair(s): Akbar Zaidi, Centers for Disease Control and Prevention

8:35 AM	Predicting Access Rates to Substance Abuse Programs in Correctional Facilities Using Regression Trees — ■Panagiota Kitsantas, George Mason University; Faye Taxman, George Mason University; Matthew Perdoni, George Mason University; Deanna Breslin, George Mason University
8:50 AM	Cross-Validation of the Patient Health Questionnaire in Patients with Coronary Heart Disease — ■Yating Yeh, Statistics Lifesaver
9:05 AM	A Variable Selection Macro for Logistic Regression in the SAS-Callable SUDAAN RLOGISTIC Procedure — ■Ruben Smith, Centers for Disease Control and Prevention
9:20 AM	Alcohol Consumption, BMI, and Colorectal Cancer — ■Negasi T. Beyene, Centers for Disease Control and Prevention
9:35 AM	Multivariate Regression Analysis of Longitudinal Repeated Measures Data Modeling Relationships Among Weight Loss, Inflammatory Markers, and Type-2 Diabetes Mellitus — ■Ye-Ying Cen, Hennepin County Medical Center
9:50 AM	Implications of Subdividing Marital Status: Are Unmarried Mothers with Partners Different from Unmarried Mothers Without Partners? — ■Robin Young, Boston University School of Public Health; Eugene Declercq, Boston University School of Public Health
10:05 AM	Floor Discussion

[Add To My Program](#)

476	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-210
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Environmental Time Series - Contributed - Papers		
Section on Statistics and the Environment		
<i>Chair(s): Jiajia Zhang, University of South Carolina</i>		
8:35 AM	Temporally Correlated Dirichlet Processes for Pollution Receptor Models — ■Matthew Heaton, Duke University	
8:50 AM	A Model-Based Approach for Clustering Time Series of Counts — ■Sarah J. Thomas, Rice University; Bonnie Ray, IBM T. J. Watson Research Center; Katherine B. Ensor, Rice University	
9:05 AM	Modeling Population Trends by Combining Information from Multiple Time Series — ■Philip Dixon, Iowa State University; David Otis, Iowa State University	
9:20 AM	Time-Frequency Analysis by Multiscale Methods with Applications to Bat Signals — ■Minjeong Park, Seoul National University; Sinsup Cho, Seoul National University; Heeseok Oh, Seoul National University	
9:35 AM	Evaluating Estimators of Influenza-Associated Mortality via Simulation — ■Jian Rong, Boston University School of Public Health; Xiaopeng Miao, Boston University School of Public Health; Al Ozonoff, Boston University School of Public Health	
9:50 AM	Additive Mixed Models for Assessing Change in Yearly Streamflow Timing Measures in the Western United States — ■Mark C. Greenwood, Montana State University, Bozeman; Johnnie Moore, University of Montana; Joel Harper, University of Montana	
10:05 AM	Comparing Pollution Levels Monitored at Sites Located on the U.S.-Mexico Border — ■Herbert Lacayo, U.S. Environmental Protection Agency; Thomas Forbes, U.S. Environmental Protection Agency; Nagaraj K. Neerchal, University of Maryland, Baltimore County; Barry D. Nussbaum, U.S. Environmental Protection Agency	
		Add To My Program
477 ●	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-702
Statistical Methods and Applications in Defense and National Security - Contributed - Papers		
Section on Statisticians in Defense and National Security		
<i>Chair(s): Jeffrey L. Solka, Naval Surface Warfare Center Warfare Center Dahlgren Division</i>		
8:35 AM	Computationally Efficient Resource Allocation for Complex System Reliability Studies — ■Jessica Chapman, Iowa State University; Max Morris, Iowa State University; Christine Anderson-Cook, Los Alamos National Laboratory	

8:50 AM	Development of a Forecasting Methodology for Marine Corps Equipments Demands — ■ Steven M. Rollins, Marine Corps Logistics Command
9:05 AM	Experiment Design and Sampling Plans for a Building Contamination and Decontamination — ■ Brett Amidan, Pacific Northwest National Laboratory; Greg F. Piepel, Pacific Northwest National Laboratory; Brett Matzke, Pacific Northwest National Laboratory
9:20 AM	Approximation of Data Modeled by Functions with Removable or Jump Discontinuities — ■ Patricia H. Carter, Naval Surface Warfare Center
9:35 AM	An Efficient Statistical Technique for Automated Band Detection in Remotely Sensed Imagery — ■ Pranab K. Banerjee, Space Dynamics Laboratory
9:50 AM	Automated Recognition of Pedestrian Traffic from an Unmanned Ground Vehicle — ■ Barry A. Bodt, U.S. Army Research Laboratory
10:05 AM	Floor Discussion
Add To My Program	
478	Thu, 8/7/08, 8:30 AM - 10:20 AM
CC-711	
Graphics for Regression, Classification, and Dimension Reduction - Contributed - Papers	
Section on Statistical Graphics, Section on Nonparametric Statistics	
<i>Chair(s): Daeyoung Kim, The Pennsylvania State University</i>	
8:35 AM	Location-Dispersion Plots in Quadratic Classification Problems — ■ Santiago Velilla, Universidad Carlos III De Madrid
8:50 AM	Small Sample Histogram Possibilities and Paradoxes — ■ James Weber, University of Illinois
9:05 AM	Resultant-Vector Banking of Graphical Displays: Geometry and Statistical Properties — ■ Saptarshi Guha, Purdue University; William Cleveland, Purdue University
9:20 AM	Regression Graphics for Bias Reduction in Observational Studies — ■ Siamak Noorbaloochi, VAMC and University of Minnesota; David Nelson, Minneapolis VA Medical Center
9:35 AM	The Central Limit Theorem and Structural Validity in Cluster Analysis — ■ Ryan Shatzer, Brigham Young University; Robert Bubb, Brigham Young University; Michael Lauritzen, Brigham Young University; Bruce L. Brown, Brigham Young University

9:50 AM	Factorial Complexity and Structural Integrity as Reflected in Graphs of Eigenvalues and Graphs of Telescoping Determinants and Traces — ■ Daniel S. Allen, Brigham Young University; Dustin Fife, Brigham Young University; Robert Bubb, Brigham Young University; Bruce L. Brown, Brigham Young University	
10:05 AM	Floor Discussion	
		Add To My Program
479 ●	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-109
Reform, Redesign, and Innovation in Teaching and Assessment of Learning - Contributed - Papers		
Section on Statistical Education		
<i>Chair(s): Kirk Anderson, Grand Valley State University</i>		
8:35 AM	Introductory Statistics: Perspectives of Departments, Instructors, and Students — ■ Jennifer L. Green, University of Nebraska-Lincoln; Walter Stroup, University of Nebraska-Lincoln; Erin Blankenship, University of Nebraska-Lincoln	
8:50 AM	Redesigning Entry-Level Statistics Courses Using Software — ■ Kim Denley, University of Mississippi	
9:05 AM	Lancaster Postgraduate Statistics Centre: Creating Enterprise and Innovation in Teaching Statistics Across Disciplines — ■ Gillian Lancaster, Lancaster University	
9:20 AM	A Modified Moore Approach to Teaching Mathematical Statistics — ■ Padraig McLoughlin, Kutztown University of Pennsylvania	
9:35 AM	Proficiency-Based Assessment and Reassessment of Learning Objectives in an Introductory Statistics Class — ■ Michael A. Posner, Villanova University	
9:50 AM	Using Artist CAOS Tests To Inform Classroom Instruction and Measure Student Improvement Over Two Semesters — ■ Michelle Sisto, International University of Monaco	
10:05 AM	Readings in the Theory of Cognition for Teachers of Statistics — ■ Gary Fowler, U.S. Naval Academy	
		Add To My Program
480	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-709
EM Algorithms and Their Applications - Contributed - Papers		
Section on Statistical Computing, Section on Bayesian Statistical Science		
<i>Chair(s): Jeffrey Heath, Centre College</i>		

8:35 AM	A Robust Nonlinear Mixed-Effects Model Using the SAEM Algorithm — ■ Cristian Meza, Universidad de Valparaíso; Rolando de la Cruz-Mesia, Pontificia Universidad Católica de Chile; Felipe Osorio, Universidad de Valparaíso
8:50 AM	On a Mixture of Skew T Distributions — ■ Wan Ju Hsieh, National Chiao Tung University; Tsung-I Lin, National Chung Hsing University
9:05 AM	A New Estimation Method for the Accelerated Failure Time Frailty Model — ■ Linzhi Xu, University of South Carolina
9:20 AM	A Simplified Stochastic Approximation Algorithm for Estimation of GLMMs — ■ Sheng-Mao Chang, National Cheng Kung University
9:35 AM	Comparing Variants of the EM Algorithm for Finite Mixtures of Linear Mixed Effects Models — ■ Bettina Grün, Wirtschaftsuniversität Wien
9:50 AM	Fast MI Estimation for the Mixture of Factor Analyzers via an ECM Algorithm — ■ Jian-hua Zhao, The University of Hong Kong; Philip L.H. Yu, The University of Hong Kong
10:05 AM	Floor Discussion

[Add To My Program](#)

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Thu, 8/7/08, 8:30 AM - 10:20 AM

CC-708

Advances in Reliability and Life Testing - Contributed - Papers

Section on Physical and Engineering Sciences, Section on Quality and Productivity

Chair(s): Marc Fredette, HEC Montreal

8:35 AM	Bayesian Analysis for Step-Stress Accelerated Life Testing Using Weibull Proportional Hazard Model — ■ Naijun Sha, The University of Texas at El Paso; Rong Pan, Arizona State University
8:50 AM	Planning Accelerated Degradation Tests with Random Coefficient Models — ■ Shuen-Lin Jeng, National Cheng Kung University
9:05 AM	Weibull Prediction Bounds in Accelerated Life Testing with Two Stress Factors — ■ Ananda A. Jayawardhana, Pittsburg State University
9:20 AM	The Beta-Rayleigh Distribution in Reliability Measure — ■ Alfred Akinsete, Marshall University; Charles Lowe, Marshall University
9:35 AM	The Weibull-Inverse Weibull Composite Distribution for Modeling Reliability Data — ■ Kahadawala Cooray, University of Nevada, Las Vegas; Sumith Gunasekera, University of Nevada, Las Vegas; Malwane Ananda, University of Nevada, Las Vegas
9:50 AM	Inference Models for Time-Varying, Stress-Accelerated Life Tests Using Generalized Linear Models — ■ Jinsuk Lee, Arizona State University; Rong Pan, Arizona State University

10:05 AM	Active Component Identification in Reliability Modeling for Complex Systems — ■ Scott Vander Wiel, Los Alamos National Laboratory; Earl Lawrence, Los Alamos National Laboratory	
		Add To My Program
482	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-204
Bayesian Methods - Contributed - Papers		
Section on Bayesian Statistical Science, Section on Statistical Computing		
<i>Chair(s): Samprit Banerjee, The University of Alabama at Birmingham</i>		
8:35 AM	Bayesian Evaluation of Surrogate Endpoints Using Power Priors — ■ Chunyao (Amy) Feng, Amgen, Inc; John W. Seaman, Jr., Baylor University; Stacy Lindborg, Eli Lilly and Company	
8:50 AM	Bayesian Case Influence Measures and Applications — ■ Hyunsoon Cho, The University of North Carolina at Chapel Hill; Hongtu Zhu, The University of North Carolina at Chapel Hill; Joseph G. Ibrahim, The University of North Carolina at Chapel Hill	
9:05 AM	From Semi to Fully Bayes Factors in Hypothesis Testing — ■ Kai Fun Yu, National Institutes of Health; Albert Vexler, National Institute of Child Health and Human Development; Chengqing Wu, Yale University	
9:20 AM	Effect of Hyperparameters in the Normal Conjugate Model on Posterior Estimates — ■ Susan Alber, The University of Texas M.D. Anderson Cancer Center; J. Jack Lee, The University of Texas M.D. Anderson Cancer Center	
9:35 AM	Bayesian Inference for the Squared Multiple Correlation Coefficient — ■ Joseph F. Lucke, The University of Texas Health Science Center at Houston	
9:50 AM	Unifying the Named Natural Exponential Families and Their Relatives — ■ Kari F. Lock, Harvard University; Carl Morris, Harvard University	
10:05 AM	Floor Discussion	
		Add To My Program
483	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-712
Topics in Statistical Estimation - Contributed - Papers		
IMS		
<i>Chair(s): Xiaoyu Jiang, Boston University</i>		
8:35 AM	Admissibility of Generalized Bayes Estimators Through Markov Chain Arguments — ■ Brian Shea, The University of Minnesota	

8:50 AM	Doubly Smoothed Maximum Likelihood Estimation — ■Byungtae Seo, Texas Tech University; Bruce G. Lindsay, The Pennsylvania State University
9:05 AM	The Perfect Median Revisited — ■Winston Richards, The Pennsylvania State University
9:20 AM	Folded Parametric Families — ■Malwane Ananda, University of Nevada, Las Vegas; Kahadawala Cooray, University of Nevada, Las Vegas; Sumith Gunasekera, University of Nevada, Las Vegas
9:35 AM	Least Squares Estimation of Density of Very Large Prime Numbers — ■Arthur Cohen, Nassau Community College
9:50 AM	Convergence Rates for Variable-at-a-Time Metropolis-Hastings Algorithms — ■Ronald Neath, Baruch College, City University of New York; Galin Jones, The University of Minnesota
10:05 AM	Floor Discussion

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Thu, 8/7/08, 8:30 AM - 10:20 AM

CC-107

Time Series Modeling - Contributed - Papers

Business and Economics Statistics Section

Chair(s): Clifford Hurvich, Stern School of Business/New York University

8:35 AM	Simple ARFIMA Approximation to the Limiting Aggregate Structure of Long Memory Process — ■Kasing Man, Western Illinois University
8:50 AM	Computationally Efficient Gaussian Maximum Likelihood Methods for Vector ARFIMA Models — ■Rebecca J. Sela, Stern School of Business/New York University; Clifford Hurvich, Stern School of Business/New York University
9:05 AM	Nonlinear Exponential Smoothing and Positive Data — ■J. Keith Ord, Georgetown University; Muhammad Akram, Monash University; Rob J. Hyndman, Monash University
9:20 AM	Integer-Valued Time Series and Renewal Processes — ■Yunwei Cui, Clemson University; Robert Lund, Clemson University
9:35 AM	A Modified Approach to Obtaining Sieve Bootstrap Prediction Intervals for Time Series — ■Purna Mukhopadhyay, Missouri University of Science and Technology; V. A. Samaranyake, Missouri University of Science and Technology
9:50 AM	Forecasting in Linear Autoregressive Models with Heteroscedastic Measurement Error — ■Yorghos Tripodis, University of Massachusetts Amherst

10:05 AM	A Reformulation of Generalized Least Squares Estimators in Autocorrelated Regression — ■Jaechoul Lee, Boise State University	
		Add To My Program
485	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-113
Survival Analysis II: New Developments - Contributed - Papers		
Biometrics Section , Section on Nonparametric Statistics, Biopharmaceutical Section, Section on Quality and Productivity		
<i>Chair(s): Maureen McClatchey, Qwest</i>		
8:35 AM	A Parametric Method for Testing Proportional Odds Assumption — ■Qing Xu, U.S. Food and Drug Administration; Jong-Hyeon Jeong, University of Pittsburgh	
8:50 AM	Semiparametric Cure Rate Models with Random Effects — ■Guoqing Diao, George Mason University	
9:05 AM	Estimating the Convolution of Distributions Under the Partial Koziol-Green Model of Random Censorship — ■Ke Wu, California State University, Fresno	
9:20 AM	A Finite Mixture Survival Model To Characterize Risk Groups of Neuroblastoma — ■Sally Hunsberger, National Institutes of Health; Paul S. Albert, National Institutes of Health; Wendy B. London, University of Florida	
9:35 AM	Selecting Representative Trees in Random Forest for Survival Data — Mousumi Banerjee, The University of Michigan; Ying Ding, The University of Michigan; ■Anne-Michelle Noone, Georgetown University	
9:50 AM	Partially Functional Quantile Regression Model for Survival Data — ■Jing Qian, Emory University; Limin Peng, Emory University	
10:05 AM	Floor Discussion	
		Add To My Program
486	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-106
Statistical Methods for Genome-Wide Association Studies II - Contributed - Papers		
Biometrics Section		
<i>Chair(s): Jeanette A. Mumford, University of California, Los Angeles</i>		
8:35 AM	Statistical Methods for Detecting Deletions Using SNP Genotypes in Case-Control Studies — ■Chih-Chieh Wu, The University of Texas M.D. Anderson Cancer Center; Sanjay Shete, The University of Texas M.D. Anderson Cancer Center; Bo Peng, The University of Texas M.D. Anderson Cancer Center; Jianzhong Ma, The University of Texas M.D. Anderson	

	Cancer Center; Christopher I. Amos, The University of Texas M.D. Anderson Cancer Center
8:50 AM	Family-Based Conditional Gene Test — ■ Thomas Hoffmann, Harvard School of Public Health; Nan Laird, Harvard School of Public Health
9:05 AM	A Bayesian Change-Point Algorithm for the Analysis of SNP Data — ■ Fridtjof Thomas, The University of Tennessee Health Science Center; Stanley B. Pounds, St. Jude Children's Research Hospital
9:20 AM	Imputing Missing Data in Case-Parent Triad Studies — ■ Tracy L. Bergemann, The University of Minnesota
9:35 AM	Statistical Methods for Inferring Duplicates Among Genotyped Samples — ■ Lei Shen, Eli Lilly and Company
9:50 AM	Rapid Genotype Imputation and Analysis of Resequencing Data Using Markov Models — ■ Yun Li, The University of Michigan; Cristen Willer, The University of Michigan; Jun Ding, The University of Michigan; Paul Scheet, The University of Michigan; Goncalo Abecasis, The University of Michigan
10:05 AM	An Empirical Bayesian Method To Correct for Winner's Curse in Genetic Association Studies — ■ Rui Xiao, The University of Michigan; Michael Boehnke, The University of Michigan

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Thu, 8/7/08, 8:30 AM - 10:20 AM

CC-103

Statistical Issues with Genetic Data - Contributed - Papers

Biopharmaceutical Section, Biometrics Section

Chair(s): Paulette Ceesay, Merck & Co., Inc.

8:35 AM	Statistical Methods for the Analysis of RNAi Screens — ■ Imola K. Fodor, Genentech, Inc.; William F. Forrest, Genentech, Inc.
8:50 AM	Better Prognosis by Multiple-Gene Classifier with Pair Information — ■ Shuyan (Sabrina) Wan, Merck Research Laboratories; Xiang Yu, Merck Reserach Laboratories; Peggy Wong, Merck Research Laboratories
9:05 AM	Domain-Enhanced Analysis Using the Gene Ontology with Different Classification Response Variables — ■ Jiajun Liu, Merck Research Laboratories; Jacqueline Hughes-Oliver, North Carolina State University; Jason Osborne, North Carolina State University; Jack A. Menius, GlaxoSmithKline
9:20 AM	Gene-Class Testing for Multigroup Comparisons — ■ Ching-Wei Chang, National Center for Toxicological Research; James J. Chen, National Center for Toxicological Research

9:35 AM	Statistical Test on Nonrandom Clustering with Application to Genetic Somatic Mutation — ■Jingjing Ye, Pfizer, Inc.; Elizabeth A. Lunney, Pfizer, Inc.; Paul A. Rejto, Pfizer, Inc.; Adam Pavlicek, Pfizer, Inc.; Chi-Hse Teng, Pfizer, Inc.	
9:50 AM	Floor Discussion	
Add To My Program		
488 ● ▲	Thu, 8/7/08, 8:30 AM - 10:20 AM	CC-102
Modeling Survival Data - Contributed - Papers		
Biopharmaceutical Section , Section on Nonparametric Statistics, Section on Quality and Productivity, Biometrics Section		
<i>Chair(s): Michael Hesney, Merck & Co., Inc.</i>		
8:35 AM	Covariate-Adjusted Nonparametric Survival Curve Estimation — ■Honghua Jiang, Eli Lilly and Company; Jame Symanowski, Nevada Cancer Institute; Yongming Qu, Eli Lilly and Company; Yanping Wang, Eli Lilly and Company	
8:50 AM	Using Marginal Structural Model To Adjust for Post-Study Treatment — ■Yanping Wang, Eli Lilly and Company; Shengyan Hong, Eli Lilly and Company; Min Zhang, North Carolina State University	
9:05 AM	Estimating a Treatment Effect in Oncology Clinical Trials with Correcting for Crossover — ■Qiang Xu, Columbia University; Xin Huang, Pfizer Global Research and Development; Vanessa Tassell, Pfizer Global Research and Development; Jim Li, Pfizer Global Research and Development; Randy Allred, Pfizer Global Research and Development	
9:20 AM	Comparison of Cox Regression Model, Stratified Cox Model, and Logrank Test on Statistical Power in Clinical Trials with Prognostic Factors — Jianliang Zhang, MedImmune, Inc.; ■Iksung Cho, MedImmune, Inc.	
9:35 AM	Time-to-Event Analysis Considerations in the Medical Device Industry — ■Helen M. Chmiel, Zimmer Corporation	
9:50 AM	Floor Discussion	
Add To My Program		
	Thu, 8/7/08, 10:00 AM - 11:30 AM	CC-208
Council of Sections Governing Board Meeting 2 (closed)		
Council of Sections		
<i>Chair(s): Linda Gage, California Department of Finance</i>		

		Add To My Program
489 ▲	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-111
Stochastic Approximation Monte Carlo - Invited - Papers		
Section on Bayesian Statistical Science, Section on Statistical Computing, IMS		
<i>Organizer(s): Faming Liang, Texas A&M University</i>		
<i>Chair(s): Chuanhai Liu, Purdue University</i>		
10:35 AM	An Overview of Stochastic Approximation Monte Carlo Algorithms — ■Faming Liang, Texas A&M University	
11:00 AM	The Sample Metropolis-Hastings Algorithm — Chuanhai Liu, Purdue University; ■Andrew Lewandowski, Purdue University	
11:25 AM	Asymptotics of the Wang-Landau Algorithm — ■Yves F. Atchade, The University of Michigan	
11:50 AM	Disc: Samuel Kou, Harvard University	
12:10 PM	Floor Discussion	
		Add To My Program
490 ● ▲	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-710
Advanced Modeling in Remote Sensing of the Inner Earth - Invited - Papers		
American Geophysical Union, Section on Physical and Engineering Sciences		
<i>Organizer(s): Ping Ma, University of Illinois</i>		
<i>Chair(s): Wenxuan Zhong, University of Illinois at Urbana-Champaign</i>		
10:35 AM	Statistical Issues in Imaging the Inner Earth — ■Ping Ma, University of Illinois; Luis Tenorio, Colorado School of Mines; Maarten de Hoop, Purdue University; Ping Wang, Massachusetts Institute of Technology; Robert van der Hilst, Massachusetts Institute of Technology	
11:05 AM	Comparing Layer Transitions via Regularity Estimates — ■Luis Tenorio, Colorado School of Mines	
11:35 AM	Sequential Estimation of High-Dimensional Space-Time Models — ■Jonathan Stroud, University of Pennsylvania	
12:05 PM	Floor Discussion	
		Add To My Program
491 ●	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-712
Nutrition Surveys: Challenges in Design and Analysis - Invited - Papers		

SSC, Section on Survey Research Methods, Social Statistics Section, Section on Statistics in Epidemiology		
<i>Organizer(s): Jack Gambino, Statistics Canada</i>		
<i>Chair(s): Jack Gambino, Statistics Canada</i>		
10:35 AM	Under-Reporting of Energy Intake in the Canadian Community Health Survey — ■ Didier Garriguet, Statistics Canada	
11:00 AM	Analysis of Survey-Based Usual Intake Nutrition Data: The Issue of Within-Person Variation — ■ Kevin Dodd, National Cancer Institute; Joseph Goldman, U.S. Department of Agriculture	
11:25 AM	National Nutrition Data: Methodological and Analytic Experiences of NHANES — ■ Clifford L. Johnson, Centers for Disease Control and Prevention; Leyla Mohadjer, Westat, Inc.; Lester R. Curtin, Centers for Disease Control and Prevention	
11:50 AM	Disc: Valerie Tarasuk, University of Toronto	
12:10 PM	Floor Discussion	
		Add To My Program
492 ●	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-702
Radiation Exposure Effects Research: Moving Forward After 60 Years of Following A-Bomb Survivors - Invited - Papers		
Section on Statistics in Epidemiology, Section on Statisticians in Defense and National Security, WNAR, Biometrics Section		
<i>Organizer(s): Norman P. Ross, Radiation Effects Research Foundation</i>		
<i>Chair(s): Leonard Hearne, University of Missouri-Columbia</i>		
10:35 AM	Radiation-Related Cancer for Childhood Exposures — ■ Donald Pierce, Oregon Health & Science University	
11:00 AM	Application of Causal Modeling on Radiation, Inflammation, and Selected Radiation/Inflammation-Induced Health Outcomes — ■ Tatsuyuki Kakuma, Kurume University; Yuko Araki, Kurume University; Wan-Ling Hsu, The Radiation Effects Research Foundation; Eiji Nakashima, The Radiation Effects Research Foundation; Kazuo Neriishi, Radiation Effects Research Foundation; Ritsu Sakata, The Radiation Effects Research Foundation; Norman P. Ross, Radiation Effects Research Foundation	
11:25 AM	Bayesian Risk Projection for A-Bomb Survivor Cohort — ■ Kyoji Furukawa, Radiation Effects Research Foundation; John Cologne, Radiation Effects Research Foundation; Yukiko Shimizu, Radiation Effects Research Foundation	

11:50 AM	Estimation of Radiation Dose from Biological Manifestations and Imperfect Measures of Physical Determinants — ■ Randolph L. Carter, University at Buffalo; Harry Cullings, Radiation Effects Research Foundation; John Cologne, Radiation Effects Research Foundation; Sachiyo Funamoto, Radiation Effects Research Foundation; Yoichiro Kusunoki, Radiation Effects Research Foundation; Kazuo Neriishi, Radiation Effects Research Foundation; Thomas Seed, Radiation Effects Research Foundation; Austin Miller, University at Buffalo; Carmen D. Tekwe, University at Buffalo; Nori Nakamura, Radiation Effects Research Foundation; Daniel Stram, University of Southern California; Norman P. Ross, Radiation Effects Research Foundation	
12:15 PM	Floor Discussion	
		Add To My Program
493	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-204
Global Maximization in EM-Type Algorithms - Invited - Papers		
Section on Statistical Computing, Section on Bayesian Statistical Science		
<i>Organizer(s): Ravi Varadhan, Johns Hopkins University</i>		
<i>Chair(s): Sonja Greven, Johns Hopkins University</i>		
10:35 AM	Adaptive Data Weighting Strategies for Locating the Global Maximum in EM-Type Algorithms — ■ Ravi Varadhan, Johns Hopkins University	
11:00 AM	Global Optimization with Model Reference Adaptive Search and Expectation-Maximization — ■ Jeffrey Heath, Centre College; Michael Fu, University of Maryland, College Park; Wolfgang Jank, University of Maryland, College Park	
11:25 AM	A Probabilistic Analysis of EM for Mixtures of Spherical Gaussians — ■ Sanjoy Dasgupta, University of California, San Diego	
11:50 AM	Disc: Kenneth Lange, University of California, Los Angeles	
12:10 PM	Floor Discussion	
		Add To My Program
494  	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-207
Imaging Biomarkers in Oncology - Invited - Papers		
Biopharmaceutical Section, WNAR, Biometrics Section		
<i>Organizer(s): William L. Mielowski, Novartis Pharmaceuticals</i>		
<i>Chair(s): William L. Mielowski, Novartis Pharmaceuticals</i>		

10:35 AM	Practical Considerations in Exploratory Imaging — ■Haren Rupani, Novartis Pharmaceuticals
11:00 AM	Imaging Modalities Can Predict Therapy Outcomes: Can They Be Used To Define Endpoints in Clinical Trials? — ■Constantine Gatsonis, Brown University
11:25 AM	Evaluation of Novel Imaging Agents in the Context of Treatment Effects — ■Lori E. Dodd, National Cancer Institute
11:50 AM	Disc: Sue-Jane Wang, U.S. Food and Drug Administration
12:10 PM	Floor Discussion

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Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-708

Statistical Analysis of Childhood Precursors of Adult Disease - Invited - Papers

ENAR, Section on Statistics in Epidemiology, WNAR, Biometrics Section

Organizer(s): Shumei S. Sun, Virginia Commonwealth University

Chair(s): Shumei S. Sun, Virginia Commonwealth University

10:35 AM	An Overview of Longitudinal Studies Useful to Investigators Studying Childhood Determinants of Adult Disease — Elizabeth Goodman, Tufts-New England Medical Center/The Floating Hospital for Children; ■Terry T.K. Huang, National Institutes of Health
11:00 AM	Analytic Approaches: Epidemiological, Statistical, and Genetic — ■Christine M. Schubert, Virginia Commonwealth University
11:25 AM	The Fels Longitudinal Study of Growth and Human Development — ■William C. Chumlea, Wright State University; Audrey Choh, Wright State University; Miryoung Lee, Wright State University; Bradford Towne, Wright State University; Dana Duren, Wright State University; Stefan Czerwinski, Wright State University
11:50 AM	Disc: Laurel A. Beckett, University of California, Davis
12:10 PM	Floor Discussion

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Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-106

Statistical Methods and Applications of Social Network Analysis - Invited - Papers

Section on Health Policy Statistics, Section on Statisticians in Defense and National Security, Social Statistics Section

Organizer(s): A. James O'Malley, Harvard Medical School

<i>Chair(s): A. James O'Malley, Harvard Medical School</i>		
10:35 AM	Spatial Process Model for Social Network Analysis — ■Crystal Linkletter, Brown University	
11:00 AM	Recent Statistical Models for Network Science — ■Stanley Wasserman, Indiana University	
11:25 AM	Factor Models for Multivariate Relational Data — ■Peter Hoff, University of Washington	
11:50 AM	Disc: Joseph Blitzstein, Harvard University	
12:10 PM	Floor Discussion	
		Add To My Program
497 ●	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-203
Advances in Variable Selection - Invited - Papers		
IMS, SSC		
<i>Organizer(s): Edward George, The Wharton School, University of Pennsylvania</i>		
<i>Chair(s): Robert McCulloch, The University of Chicago</i>		
10:35 AM	Variable Selection via a Bayesian Ensemble — ■Hugh Chipman, Acadia University; Edward George, The Wharton School, University of Pennsylvania; Robert McCulloch, The University of Chicago	
11:05 AM	Alpha Investing: A New Multiple Hypothesis Testing Procedure That Controls mFDR — ■Dean Foster, University of Pennsylvania; Robert A. Stine, University of Pennsylvania	
11:35 AM	Real-Time Prediction Under Model Uncertainty via Dynamic Model Averaging — ■Adrian E. Raftery, University of Washington; Miroslav Karny, Institute of Information Theory and Automation; Josef Andrysek, Institute of Information Theory and Automation; Pavel Ettler, Compureg	
12:05 PM	Floor Discussion	
		Add To My Program
498 ●	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-704
New Developments on Analysis of Correlated Data - Invited - Papers		
WNAR, Biopharmaceutical Section, Biometrics Section		
<i>Organizer(s): Tao Huang, University of Virginia</i>		
<i>Chair(s): Jinchi Lv, University of Southern California</i>		

10:35 AM	Variable Selection for High-Dimensional Correlated Data — ■Xihong Lin, Harvard University
11:00 AM	Forecasting Time Series of Inhomogeneous Poisson Processes — ■Jianhua Huang, Texas A&M University; Haipeng Shen, The University of North Carolina at Chapel Hill
11:25 AM	Generalized Varying Coefficient Models for Longitudinal Data — ■Damla Senturk, The Pennsylvania State University; Hans G. Müller, University of California, Davis
11:50 AM	Partial Consistency in Mixed Models — ■Tao Huang, University of Virginia; Heng Peng, Hong Kong Baptist University
12:15 PM	Floor Discussion

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		Add To My Program
499 ▲	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-108

Teaching Introductory Statistics Online - Invited - Panel

Section on Statistical Education, Section on Teaching Statistics in the Health Sciences

Organizer(s): Felicity B. Enders, Mayo Clinic

Chair(s): Sue Schou, Idaho State University

Abstract:	Teaching Introductory Statistics Online
Panelists:	<ul style="list-style-type: none"> ■Felicity B. Enders, Mayo Clinic ■Engin Sungur, The University of Minnesota, Morris ■John McGready, Johns Hopkins Bloomberg School of Public Health ■Gail Tudor, Husson College
12:15 PM	Floor Discussion

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		Add To My Program
500 ●	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-707

Hypothesis Testing in Neuroimaging - Topic Contributed - Papers

Biometrics Section, Biopharmaceutical Section, WNAR

Organizer(s): Philip Reiss, New York University

Chair(s): Akim M. Adekpedjou, University of Missouri-Rolla

10:35 AM	Type I Error Rate with Simple Group fMRI Models — ■Jeanette A. Mumford, University of California, Los Angeles; Thomas E. Nichols, GlaxoSmithKline Clinical Imaging Centre
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10:55 AM	Bootstrap Procedures for Testing in Neuroimaging Settings — ■ Todd Ogden, Columbia University; Chung Chang, Columbia University
11:15 AM	Inference for Eigenvalues and Eigenvectors of Diffusion Tensors in Multisubject Diffusion Tensor Imaging Studies — ■ Armin Schwartzman, Harvard School of Public Health; Robert F. Dougherty, Stanford University; Jonathan E. Taylor, Stanford University
11:35 AM	Simultaneous Confidence Bands for the Coefficient Function in Functional Regression — ■ Philip Reiss, New York University; Todd Ogden, Columbia University
11:55 AM	Intrinsic Regression Model for Positive-Definite Matrices with Applications to Diffusion Tensor Imaging — ■ Yimei Li, The University of North Carolina at Chapel Hill; Hongtu Zhu, The University of North Carolina at Chapel Hill; Yasheng Chen, The University of North Carolina at Chapel Hill; Joseph G. Ibrahim, The University of North Carolina at Chapel Hill; Weili Lin, The University of North Carolina at Chapel Hill
12:15 PM	Floor Discussion

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501 ●

Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-706

Design and Inferences in Multiregional Clinical Trials - Topic Contributed - Papers

Biopharmaceutical Section, Biometrics Section

Organizer(s): Yoko Tanaka, Eli Lilly and Company

Chair(s): Linda J. Young, University of Florida

10:35 AM	Bridging Estimate of Treatment-by-Race Effect Using Balancing Scores — ■ Kyoungah See, Eli Lilly and Company; Ilya Lipkovich, Eli Lilly and Company
10:55 AM	Harmonization of Statistical Analyses and Reporting in a Global Environment: Some Experiences, Challenges, and Solutions — ■ Melvin S. Munsaka, Takeda Global Research & Development
11:15 AM	Issues of Analysis and Interpretation Relating to Regions in Multiregional Clinical Trials — ■ Paul Gallo, Novartis Pharmaceuticals
11:35 AM	Issues in Conducting and Evaluating Multiregional Clinical Trials — ■ Yuki Ando, Pharmaceuticals and Medical Devices Agency
11:55 AM	Disc: Henry S.H. Hsu, U.S. Food and Drug Administration
12:15 PM	Floor Discussion

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502	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-107
Statistical Applications in Business - Topic Contributed - Papers		
Business and Economics Statistics Section		
<i>Organizer(s): Glenn White, Ernst & Young LLP</i>		
<i>Chair(s): Glenn White, Ernst & Young LLP</i>		
10:35 AM	How To Help Businesses Make Sampling Decisions — ■Eric T. Falk, Ernst & Young LLP	
10:55 AM	Statistical Documentation Practices for Business Consulting — ■Susan Hinkins, National Opinion Research Center; Edward Mulrow, National Opinion Research Center	
11:15 AM	Pitfalls in the Application of Statistical Tools in Business Settings — ■Wendy Rotz, Ernst & Young LLP	
11:35 AM	Business Survey Challenges — ■Joe Callender, Ernst & Young LLP; Amy Luo, Ernst & Young LLP	
11:55 AM	Data Visualization and Analysis: Business Consulting Applications — ■Ru Sun, Ernst & Young LLP	
12:15 PM	Floor Discussion	
		Add To My Program
503 ●	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-109
Bayesian Applications - Topic Contributed - Papers		
Section on Bayesian Statistical Science		
<i>Organizer(s): Dongchu Sun, University of Missouri-Columbia</i>		
<i>Chair(s): Steve Sheriff, Missouri Department of Conservation</i>		
10:35 AM	Additive Models with Interval-Censored Data — ■Chin-I Cheng, University of Missouri-Columbia; Paul Speckman, University of Missouri-Columbia	
10:55 AM	Bayesian Semiparametric Modeling of Spatially Correlated Breast Cancer Survival Incidence with Cure Fractions — ■Luyan Dai, University of Missouri-Columbia; Dongchu Sun, University of Missouri-Columbia; Zhuoqiong He, University of Missouri-Columbia; Mario Schoutman, Washington University	
11:15 AM	Bayes Factor Consistency for Large Model Dimensions — ■Ruixin Guo, University of Missouri-Columbia; Paul Speckman, University of Missouri-Columbia	

11:35 AM	One-Way ANOVA: Fixed Effects, or Random? — ■ Fei Liu, University of Missouri-Columbia; Dongchu Sun, University of Missouri-Columbia; Paul Speckman, University of Missouri-Columbia; Jeffrey Rouder, University of Missouri
11:55 AM	Posterior Simulation in the Generalized Linear Mixed Model with Semiparametric Random Effects — ■ Subharup Guha, University of Missouri-Columbia
12:15 PM	Floor Discussion

		Add To My Program
504 ● ●	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-202

Applications of Nonparametric Statistics on Manifolds - Topic Contributed - Papers

Section on Nonparametric Statistics, IMS

Organizer(s): Victor Patrangenaru, Florida State University

Chair(s): Michael Crane, Florida State University

10:35 AM	Nonparametric Inference on Shape Spaces — ■ Abhishek Bhattacharya, The University of Arizona
10:55 AM	Regularized Deconvolution on the Euclidean Motion Group — ■ Maia Lesosky, University of Guelph
11:15 AM	Comparing Random Variables on Manifolds — ■ Nikolay H. Balov, Florida State University
11:35 AM	Applications of Nonparametric Statistics on Shape Manifolds and on Shape-and-Size Shape Manifolds — ■ Ananda Bandulasiri, Sam Houston State University
11:55 AM	Floor Discussion

		Add To My Program
505	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-113

Modeling Environmental Pollutants - Topic Contributed - Papers

Section on Statistics and the Environment, WNAR

Organizer(s): William Hunt, Jr., North Carolina State University

Chair(s): Barry D. Nussbaum, U.S. Environmental Protection Agency

10:35 AM	Can Blood Lead Levels in Children Be Reduced? — ■ Steven G. Somers, North Carolina State University; Jessica P. Williams, North Carolina State University; Amanda Campbell, North Carolina State University
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10:55 AM	Can Meteorologically Adjusted Ozone Air Quality Trends Identify the Impact of the Nitrogen Oxides Utility Reductions? — ■Kristen L. Gore, North Carolina State University; Adrienne Wootten, North Carolina State University; Timothy Brown, North Carolina State University; Jie Zheng, North Carolina State University
11:15 AM	Examining Crustal Matter: Resolving the Particulate Matter Emission Inventory/Air Quality Discrepancy — William J. Rice, North Carolina State University; ■Stacy A. Jones, North Carolina State University; Lauren A. Klein, North Carolina State University
11:35 AM	Did the Addition of Supplementary Control Systems at Utilities Result in Lower Nitrogen Oxides Emissions and Reductions in Ground-Level Ozone in North Carolina? — ■Timothy Brown, North Carolina State University; Jie Zheng, North Carolina State University
11:55 AM	Disc: John Warren, U.S. Environmental Protection Agency
12:15 PM	Floor Discussion

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506 ● ▲

Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-102

Surveys and Administrative Records: Data Comparison and Quality - Topic Contributed - Papers

Section on Survey Research Methods, Section on Government Statistics

Organizer(s): Polly Phipps, Bureau of Labor Statistics

Chair(s): Rochelle W. Martinez, Office of Management and Budget

10:35 AM	Evaluating the Relationship Between Survey Design and False-Negative Reporting About Medicaid Enrollment — ■Victoria Lynch, U.S. Census Bureau
10:55 AM	Reconciling Employment Differences Between Administrative and Survey Data — Applebaum Margaret, Bureau of Labor Statistics; Kristin Fairman, Bureau of Labor Statistics; Jeffrey Groen, Bureau of Labor Statistics; ■Polly Phipps, Bureau of Labor Statistics
11:15 AM	Comparison of Business Revenues from Two Administrative Files — ■Guylaine Dubreuil, Statistics Canada; François Brisebois, Statistics Canada; Patrice Martineau, Statistics Canada; Julie Girard, Statistics Canada; Caroline Rondeau, Statistics Canada
11:35 AM	Reconciling Differences in Income Estimates Derived from Survey and Tax Return Data — Kevin Moore, Federal Reserve Board of Governors; ■Barry Johnson, Statistics of Income, IRS
11:55 AM	Disc: Dean Resnick, U.S. Census Bureau

12:15 PM	Floor Discussion	
		Add To My Program
507	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-110
How To Publish Your Book with the ASA-SIAM Series on Statistics and Applied Probability - Topic Contributed - Panel		
Section on Statistical Education		
<i>Organizer(s): Martha Aliaga, The American Statistical Association</i>		
<i>Chair(s): Terry King, Northwest Missouri State University</i>		
Abstract:	How To Publish Your Book with the ASA-SIAM Series on Statistics and Applied Probability	
Panelists:	<ul style="list-style-type: none"> ■ Lisa M. LaVange, The University of North Carolina at Chapel Hill ■ Keith Crank, The American Statistical Association ■ Sara J. Murphy, Society for Industrial and Applied Mathematics ■ Karen A.F. Copeland, Boulder Statistics 	
12:15 PM	Floor Discussion	
		Add To My Program
508	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-104
Causal Inference and Factor Analysis in the Social Sciences - Contributed - Papers		
Social Statistics Section, Section on Government Statistics		
<i>Chair(s): Guangyu Zhang, University of Maryland, College Park</i>		
10:35 AM	Estimating Non-Numeric Outcomes with Structural Equation Modeling: Application to Colorectal Cancer — ■ Ralph M. Turner, University of the Sciences	
10:50 AM	A Parametric Mixture Model Method for Clustering Multivariate Correlated Binary Data — ■ Ajit C. Tamhane, Northwestern University; Dingxi Qiu, University of Miami	
11:05 AM	Recommended Sample Size for Conducting Exploratory Factor Analysis on Dichotomous Data — ■ Robert Pearson, University of Northern Colorado; Daniel Mundfrom, University of Northern Colorado	
11:20 AM	The Causal Effect of Class Size on Academic Performance: Multivariate Instrumental Variable Estimators with Tennessee Class Size Data Missing at Random — ■ Yongyun Shin, The University of Chicago; Stephen W. Raudenbush, The University of Chicago	

11:35 AM	Three-Mode Models for Multitrait-Multimethod Data — ■Frans J. Oort, University of Amsterdam
11:50 AM	Floor Discussion
Add To My Program	
509	Thu, 8/7/08, 10:30 AM - 12:20 PM CC-709
Clinical Trials Methodology - Contributed - Papers	
Biometrics Section , Section on Nonparametric Statistics, Biopharmaceutical Section	
<i>Chair(s): Novie O.M. Younger, The University of the West Indies, Jamaica</i>	
10:35 AM	Estimation Method of the Semiparametric Mixture Cure Gamma Frailty Model — ■Jiajia Zhang, University of South Carolina; Yingwei Peng, Queen's University
10:50 AM	Adaptive Clinical Trial Designs To Meet the Criteria — ■Yi Cheng, Indiana University South Bend
11:05 AM	Using Short-Term Response To Facilitate Adaptive Randomization for Survival Clinical Trials — ■Xuelin Huang, The University of Texas M.D. Anderson Cancer Center; Jing Ning, The University of Texas M.D. Anderson Cancer Center; Yisheng Li, The University of Texas M.D. Anderson Cancer Center; Donald A. Berry, The University of Texas M.D. Anderson Cancer Center
11:20 AM	Nonparametric Adaptive Sample Size Calculation in Diagnostic Trials — ■Liansheng Tang, George Mason University
11:35 AM	Sample Size Re-Estimation in an Adjuvant Cancer Trial — ■Erinn M. Hade, The Ohio State Univeristy; David Jarjoura, The Ohio State Univeristy
11:50 AM	Floor Discussion
Add To My Program	
510	Thu, 8/7/08, 10:30 AM - 12:20 PM CC-103
Model-Based Estimation - Contributed - Papers	
Section on Survey Research Methods , Section on Nonparametric Statistics, Section on Government Statistics, Social Statistics Section	
<i>Chair(s): Ying Yuan, The University of Texas M.D. Anderson Cancer Center</i>	
10:35 AM	Inference in Finite Population Sampling Using Regression Models Imposed by Randomization in the Sample Design — ■Steve Woodruff, Specified Designs

10:50 AM	Robust Predictions Based on Model-Based Approaches — ■Bing Han, RAND Corporation
11:05 AM	A Snowball's Chance in Nigeria — ■Rachel Schutt, Columbia University; Alexandra Scacco, Columbia University
11:20 AM	The Two-Sample Problem — ■Alan H. Dorfman, Bureau of Labor Statistics
11:35 AM	Robust Improvements in Ratio-Type Estimators — ■Evrin Oral, Middle East Technical University; Cem Kadilar, Hacettepe University
11:50 AM	Improved Ratio Estimators in Adaptive Cluster Sampling — ■Feng Min Lin, National Cheng Kung University; Tzu Ching Chiang, National Cheng Kung University
12:05 PM	Floor Discussion

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511

Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-101

Analytic Methods with Noncontinuous Outcomes - Contributed - Papers

Section on Survey Research Methods, Section on Nonparametric Statistics, Section on Government Statistics

Chair(s): Donsig Jang, Mathematica Policy Research, Inc.

10:35 AM	Estimating the Distribution Function Using Ranked Set Samples with Imperfect Ranking — ■Satrajit Roychoudhury, Schering-Plough Research Institute; Kaushik Ghosh, University of Nevada, Las Vegas
10:50 AM	Power Analysis for the Regression Discontinuity Design — ■Hyunshik Lee, Westat, Inc.; Tom Munk, Westat, Inc.
11:05 AM	Charactering the Propensity To Volunteer in America — ■Shelton Jones, RTI International; David Weitzenkamp, RTI International; Kathleen Jordan, RTI International; Jeniffer Iriundo-Perez, RTI International; John Foster-Bey, Corporation for National and Community Service; Annette Green, RTI International
11:20 AM	B-Splines and Bootstrapping for Piecewise Logistic Regression in Complex Samples — ■Scott W. Keith, The University of Alabama at Birmingham; David B. Allison, The University of Alabama at Birmingham
11:35 AM	Inference on Polychotomous Responses in Finite Population: A Predictive Approach — ■Tathagata Bandyopadhyay, Indian Institute of Management Ahmedabad; Sumanta Adhyay, University of Calcutta
11:50 AM	Floor Discussion

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512	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-711
Linear Model Extensions and Related Multivariate Problems - Contributed - Papers		
Biometrics Section		
<i>Chair(s): Shu-Min Liao, The Pennsylvania State University</i>		
10:35 AM	Multilevel Overdispersion in Hierarchical Generalized Linear Models — ■ Trent L. Lalonde, Arizona State University; Jeffrey R. Wilson, Arizona State University	
10:50 AM	Stability Measures of Samples in Clustering Analysis Highly Correlates with Quality Assessment Metrics for Affymetrix GeneChip Data — ■ Fenghai Duan, University of Nebraska Medical Center	
11:05 AM	Repeated Measurements on Distinct Scales with Censoring — ■ Tanzy Love, Carnegie Mellon University; Alicia Carriquiry, Iowa State University	
11:20 AM	Bootstrapping Methods for Data with Multiple Levels of Variation — ■ Zhen Pang, Nanyang Technological University; Christopher Field, Dalhousie University; Alan Welsh, The Australian National University	
11:35 AM	P-Value Distribution for Linear Models in Microarray Analysis and Related Problems — ■ Natalia F. Tchetcherina, The Pennsylvania State University	
11:50 AM	Differential Gene Expression Analysis: Principal Component Analysis and Biplot — ■ Nusrat Jahan, James Madison University; Louise Temple-Roserbrook, James Madison University	
12:05 PM	Floor Discussion	
		Add To My Program
513 ●	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-701
Linkage Analysis - Contributed - Papers		
Section on Statistics in Epidemiology, Biometrics Section		
<i>Chair(s): Sanjay Shete, The University of Texas M.D. Anderson Cancer Center</i>		
10:35 AM	A Note on the Asymptotic Null Distribution of Likelihood-Ratio Tests for Multivariate Genetic Linkage in Variance Components Models — ■ Summer S. Han, Yale University; Joseph T. Chang, Yale University	
10:50 AM	Identification of Disease Loci for Schizophrenia by a Family-Based Dynamic Association Approach — ■ Tun-Hsiang Yang, University of California, Los Angeles; Kerchau Li, University of California, Los Angeles; Chih-Min Liu, National Taiwan University Hospital; Hai-Gwo Hwu, National Taiwan University Hospital	
11:05 AM	Genetic Linkage Analysis Accounting for Missing Phenotypes in Males — ■ Rosa C. Banuelos, Rice University	

11:20 AM	A Variance Components Method To Test for QTL Heterogeneity Among Multiple Ethnic Groups — ■Trecia A. Kippola, Oklahoma State University; Karen L. Edwards, University of Washington; Stephanie A. Monks, Oklahoma State University
11:35 AM	Detecting and Controlling for Population Stratification in Linkage Analysis — ■Guan Xing, Bristol-Myers Squibb Company; Chao Xing, The University of Texas Southwestern Medical Center
11:50 AM	Floor Discussion

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514	Thu, 8/7/08, 10:30 AM - 12:20 PM CC-206

Inference - Contributed - Papers

Section on Statistical Computing

Chair(s): Bettina Grün, Wirtschaftsuniversität Wien

10:35 AM	On Sampling and Spurious Granger Causality — ■Victor Solo, University of New South Wales
10:50 AM	On Robust Estimation of the Heteroscedasticity Covariance Matrix — ■Tsung-Chi Cheng, National Cheng-Chi University
11:05 AM	Multisample Tests of Equality for Multidimensional Data with Applications to Detecting Changes in Data Streams — ■Adam Petrie, The University of Tennessee, Knoxville
11:20 AM	A Fast Algorithm for the Nonparametric MLE of the Distribution Function with Censored Data — ■Yaming Yu, University of California, Irvine
11:35 AM	On Model-Based Approaches for Detecting Differentially Expressed Genes and Estimating the FDR in Replicated Microarray Data — ■Shunpu Zhang, University of Nebraska-Lincoln
11:50 AM	Improved Confidence Regions for Seemingly Unrelated Regression Models — ■Kent Riggs, Stephen F. Austin State University
12:05 PM	Sample Size Estimation Tables for Effect Size Values for the Significant Interaction Effect of a Completely Randomized Factorial Design (CRF-pq): Fixed Effects and Random Effects — ■Larry W. Featherston, University of Arkansas; Calli Johnson, University of Arkansas; Charles Stegman, University of Arkansas; Denise T. Airola, University of Arkansas

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515	Thu, 8/7/08, 10:30 AM - 12:20 PM CC-212

Inspection, Capability, and Classification Analysis - Contributed - Papers

Section on Quality and Productivity, Section on Physical and Engineering Sciences		
<i>Chair(s): Michael Joner, The Procter & Gamble Company</i>		
10:35 AM	Assessing a Manufacturing Customer's Complaint Using Supplier Process Data — ■Jon M. Lindenauer, Weyerhaeuser	
10:50 AM	Identification and Classification of Intermittent Demand Patterns — ■Jing Chen, Temple University; Pallavi Chitturi, Temple University; Mark Gershon, Temple University	
11:05 AM	Sequential Analysis for a Binomial Proportion Using an Imprecise Prior Distribution — ■Dennis Oberhelman, University of South Carolina; Kathleen Whitcomb, University of South Carolina	
11:20 AM	An Alternative Tolerance Limit for the One-Way Normal Random Effects Model — ■Shun-Yi Chen, Tamkang University	
11:35 AM	Deploying Statistical Process Capability Approaches for Assessing Health Care Revenue-Cycle Management — ■Jason Gillikin, Spectrum Health Hospitals	
11:50 AM	Supervised Texture Classification Using Vector Autoregressive Models — ■Martin Heller, North Carolina State University	
12:05 PM	Effective Choice of Test Boundaries for Sequential Testing Based on Theory of Continued Fractions — ■Yefim H. Michlin, Technion - Israel Institute of Technology; Genady Y. Grabarnik, IBM T. J. Watson Research Center	
Add To My Program		
516	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-210
Analysis of Designed Experiments - Contributed - Papers		
Section on Physical and Engineering Sciences, Section on Quality and Productivity		
<i>Chair(s): Peter Goos, Universiteit Antwerpen</i>		
10:35 AM	Product and Process Improvement Using Mixture-Process Variable and Robust Optimization Methods — Narinder S. Sahni, Jawaharlal Nehru University; ■Greg F. Piepel, Pacific Northwest National Laboratory; Tormod Naes, MATFORSK	
10:50 AM	Discrimination Between Two Linear Regression Models: Design and Inference — ■Rupam R. Pal, University of California, Riverside; Subir Ghosh, University of California, Riverside	
11:05 AM	Determining Interacting Variables in Random Forest Models Using Fractional Factorial Designs — ■Ewa M. Sztendur, Monash University; Neil T. Diamond, Monash University	

11:20 AM	Industrial Split-Plot Experiments with Non-Normal Data: Go Bayesian — ■ Timothy J. Robinson, University of Wyoming ; Christine Anderson-Cook, Los Alamos National Laboratory; Michael Hamada, Los Alamos National Laboratory
11:35 AM	Object-Oriented Control of Experiments and Information Capacity of Experimental Data — ■ Anatoly A. Naumov, Novosibirsk State Technical University
11:50 AM	Bootstrap Inference on the Characterization of a Response Surface — ■ Robert Parody, Rochester Institute of Technology
12:05 PM	Floor Discussion

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Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-201

Nonparametric and Semiparametric Inference for Lifetime and Survival Data - Contributed - Papers

Section on Nonparametric Statistics, Section on Quality and Productivity

Chair(s): Ke Wu, California State University, Fresno

10:35 AM	A Nonparametric Model of Quality Adjusted Lifetime Data Analysis with Zero Duration Health States — ■ Kaushal K. Mishra, North Carolina State University; Sujit Ghosh, North Carolina State University
10:50 AM	Semiparametric Efficient Estimation in the Proportional Odds Cure Model — ■ Meng Mao, University of California, Davis
11:05 AM	New Approaches to Life Testing with a Guaranteed Survival Time — ■ Mohammad B. Sepehrifar, The University of Mississippi
11:20 AM	A Nonparametric Method for Assessment of Interactions in a Multifactor Design with Censored Data — ■ M. Hossein Rahbar, The University of Texas Health Science Center at Houston; Hooshang Talebi, University of Isfahan; Sangchoon Jeon, Michigan State University
11:35 AM	Another Look at the Mean Lifetime Based on Censored and/or Truncated Data — ■ Jong S. Kim, Portland State University
11:50 AM	Isotonic Estimation of Monotone Hazard Ratios for a Proportional Hazards Model — ■ Marek Ancukiewicz, Massachusetts General Hospital/Harvard Medical School
12:05 PM	A Mass Redistribution Algorithm for Right-Censored and Left-Truncated Time-to-Event Data — ■ Xu Zhang, Georgia State University; Mei-Jie Zhang, Medical College of Wisconsin; Jason P. Fine, University of Wisconsin-Madison

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Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-112

Improving the Quality of Survey Data - Contributed - Papers**Section on Government Statistics**, Section on Survey Research Methods*Chair(s): David Chapman, FDIC*

10:35 AM

[Assessing the Effect of Calibration on Nonresponse Bias in the 2005 Agricultural Resource Management Survey Phase III Sample Using Census 2002 Data](#) — ■Morgan S. Earp, National Agricultural Statistics Service

10:50 AM

[Adjustments for Mode Effect Bias for the Canadian Community Health Survey](#) — ■Andrew Quigley, Statistics Canada

11:05 AM

[Methods To Promote Deeper Processing on Survey Questions](#) — ■Emily McFarlane, RTI International; Robert Steele, RTI International; Laura Burns, RTI International; Daniel Pratt, RTI International

11:20 AM

[Improving Educational Data Quality for Growth Model Analysis](#) — ■Kening Wang, University of Arkansas; Sean Mulvenon, University of Arkansas; Charles Stegman, University of Arkansas; Yanling Xia, University of Arkansas

11:35 AM

[Use of a Listed Sample To Supplement and Improve the Accuracy of a Probability Sample](#) — ■Madhumita (Bonnie) Ghosh-Dastidar, RAND Corporation; Marc N. Elliott, RAND Corporation; Amelia Haviland, RAND Corporation; Lynn Karoly, RAND Corporation

11:50 AM

[Fuzzy Matching of Federal Science and Technology Program Data](#) — ■Gary W. Anderson, National Institute of Standards and Technology

12:05 PM

[Maximum Likelihood Estimation for Categorical Data with an Almost-Missing-at-Random Mechanism](#) — ■Yan Zhou, The University of Michigan; Roderick J. Little, The University of Michigan; John Kalbfleisch, The University of Michigan[Add To My Program](#)

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Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-105

The Internet, Telecommunications, and Migration - Contributed - Papers**Business and Economics Statistics Section***Chair(s): Nicolas Christou, University of California, Los Angeles*

10:35 AM

[E-Commerce Online Experiments: Design and Analysis Challenges](#) — ■Victor N. Morin, Ecolab Research Center; Jonathan Francis, Microsoft

10:50 AM	Functional Data Analysis for Bid Arrival Times in eBay Auctions — ■Shuang Wu, University of California, Davis; Hans G. Müller, University of California, Davis
11:05 AM	An Investigation of Virtual Worlds Adoption: A Research Framework and Empirical Study — ■Guangying Hua, Bentley College; Dominique Haughton, Bentley College
11:20 AM	Tracking Changes in Rates of Return to Revenues and Expenses with Prices Set According to Target Rates in Regulated Telecommunications Companies — ■Martin B. Selzer, Chatham Decision Sciences
11:35 AM	Tolls, Exchange Rates, and Northbound International Bridge Traffic from Ciudad Juarez to El Paso — ■Angel L. Molina, Jr., The University of Texas at El Paso
11:50 AM	The 'Melting Pot': A Success Story? — ■Edna Schechtman, Ben-Gurion University of the Negev; Shlomo Yitzhaki, Central Bureau of Statistics/Hebrew University
12:05 PM	Traditional Teaching Giving Way to New Techniques — ■Mammo Woldie, Texas Southern University

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Thu, 8/7/08, 10:30 AM - 12:20 PM

CC-703

Statistical Methods for QTL Mapping and Tiling Arrays - Contributed - Papers

Biometrics Section

Chair(s): Deborah Glueck, University of Colorado Denver

10:35 AM	Bayesian Mixture Structural Equation Modeling in Multiple-Trait QTL Mapping — ■Xiaojuan Mi, University of Nebraska; Kent M. Eskridge, University of Nebraska; Dong Wang, University of Nebraska-Lincoln
10:50 AM	Computationally Efficient Estimation of False Discovery Rate in eQTL Studies Using Sequential Permutation P-Values — ■Timothy Bancroft, Iowa State University; Dan Nettleton, Iowa State University
11:05 AM	Normalizing and Peak Finding for Tiling Microarrays with Application in Epigenomics — ■W. Evan Johnson, Brigham Young University
11:20 AM	Analysis of Arabidopsis Genome Tiling Arrays To Detect Nuclear Pre-mRNA Processing Events and Differential Gene Expression — ■Ann Hess, Colorado State University; Amber Hackstadt, Colorado State University; A.S.N. Reddy, Colorado State University; Arthur Hunt, University of Kentucky
11:35 AM	Floor Discussion

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521	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-705
Methods for Integration of Genomic Data - Contributed - Papers		
Biometrics Section		
<i>Chair(s): Tracy L. Bergemann, The University of Minnesota</i>		
10:35 AM	A Meta-Analysis Approach for Gene Association Network Reconstruction — ■ YounJeong Choi, University of Wisconsin-Madison; Christina M. Kendzioriski, University of Wisconsin-Madison; Alan D. Attie, University of Wisconsin-Madison; Mark P. Keller, University of Wisconsin-Madison	
10:50 AM	Accuracy of 'Network Filtering' for Detecting Perturbations in Large, Sparse Networks — ■ Shu Yang, Boston University; Eric Kolaczyk, Boston University	
11:05 AM	A Statistical Framework for Integrating Different Microarray Data Sets in Differential Expression Analysis — ■ Yinglei Lai, The George Washington University	
11:20 AM	Genome-Wide Associations Between SNP Genotypes and Gene Expression, Detected by Both Frequentist and Bayesian Approaches — ■ Amrita Ray, Lawrence Berkeley National Laboratory; Paul T. Spellman, Lawrence Berkeley National Laboratory; Terence P. Speed, University of California, Berkeley	
11:35 AM	A Joint Model for Nucleosome DNA Sequence and Micrococcal Nuclease — ■ Liqun Xi, Northwestern University; Yvonne Fondufe-Mittendorf, Northwestern University; Jonathan Widom, Northwestern University; Ji-Ping Wang, Northwestern University	
11:50 AM	Floor Discussion	
		Add To My Program
522  	Thu, 8/7/08, 10:30 AM - 12:20 PM	CC-205
Statistical Issues Related to Safety Data - Contributed - Papers		
Biopharmaceutical Section, Biometrics Section		
<i>Chair(s): Christopher Assaid, Merck Research Laboratories</i>		
10:35 AM	Safety Findings in Clinical Trials: Are They Real, or Just Coincidental? — ■ Mani Lakshminarayanan, Merck & Co., Inc.; Amarjot Kaur, Merck & Co., Inc.	
10:50 AM	A New Approach To Monitor the Safety Risk in Clinical Trials — ■ Chenxiong (Charles) Le, MedImmune, Inc.; Qing Liu, Johnson & Johnson Pharmaceutical R&D, LLC	

11:05 AM	Analysis of Vaccine Adverse Event Count Data with Missing Safety Follow-Up: A Multiple Imputation Method — ■Xiaoming Li, Merck Research Laboratories; Jin Xu, Merck & Co., Inc.; Ivan S.F. Chan, Merck Research Laboratories
11:20 AM	Using the Z-Test To Sort Association Rules in Large Spontaneous Reporting Databases — ■Chandra S. Thames, Bracy Analytics Inc.
11:35 AM	Parametric Parsimonious Markov Mixtures for Safety Data Analysis — ■Xiaodong Wang, sanofi-aventis; Hanxiang Peng, University of Mississippi
11:50 AM	Permutation Test Approach To Compare Two Groups of Censored Lognormal Data with Multiple Detection Limits — ■Wei Zhong, ICON Clinical Research; Jeffrey Welge, University of Cincinnati; Linda Levin, University of Cincinnati; Paul Succop, University of Cincinnati; Rakesh Shukla, University of Cincinnati
12:05 PM	Floor Discussion

		Add To My Program
203657	Thu, 8/7/08, 2:00 PM - 5:00 PM	CC--South Shuttle Bus Drop Off/14th & California

TR11 - Coors Brewery Tour

The Coors brewery in Golden, about 30 minutes west of Denver, is the largest single brewing site in the world. See the entire brewing process, from germinating barley to bottling. After the tour, sample Coors' products and explore the gift shop. Advance Tickets: \$35 per person; On-site Tickets \$40 per person